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RESEARCHES OF THE DEPARTMENT OF TERRESTRIAL MAGNETISM

VOLUME VII-B

Magnetic Results from Watheroo Observatory, Western Australia, 1936-1944

By

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PREFACE

When the Department of Terrestrial Magnetism was established by Carnegie Institution of Washington in 1904, the purpose of its proposed program of work was stated as follows: "The general aim of the work of the Department of Terrestrial Magnetism is to investigate such problems of world-wide interest as relate to the magnetic and electric condition of the Earth and its atmosphere, not specifically the subject of inquiry of any one country, but of international concern and benefit." In pursuance of this aim, the Department has sought, through more than four decades, to stimulate and encourage international cooperative endeavor in the study of the Earth's magnetism and related subjects. In support of this purpose, the Department has collaborated in the work of international geophysical organizations and has participated extensively in world magnetic surveys.

In the magnetic survey of the Earth, the work must include not only isolated observations on land and sea to determine geographic distribution of the magnetic elements and their long-period variations, but also continuous work at fixed observatories to follow short-period variations which may be correlated with activity in various geophysical and astrophysical phenomena.

Continuous work at fixed observatories was initiated by Gauss in the establishment in 1832 of a magnetic observatory at Göttingen to measure variations of declination and horizontal intensity. Within a decade, observatories had been established in several widely separated parts of the world and instruments developed for determining with precision all three elements and their variations. By 1915, there were more than 40 magnetic observatories in existence. However, the distribution of these observatories was unsatisfactory. More than three-fourths of them were in the Northern Hemisphere, chiefly in Europe, while the number in the Southern Hemisphere totalled only seven.

To participate in the program of work at fixed observatories, in so far as might lie within the power of the Department by the means provided, a division known as the Observatory Division, was created on June 1, 1915, and certain preliminary plans and investigations were undertaken. It was hoped that it might be found possible for the Department to erect, man, and equip at least two magnetic observatories at points in the Southern Hemisphere where they were most needed. A list of tentatively selected sites was submitted to various interested persons and their advice was solicited. As a result, plans were made for immediate establishment of one observatory in the general region between 28° to 36° south latitude and 114° to 118° east longitude.

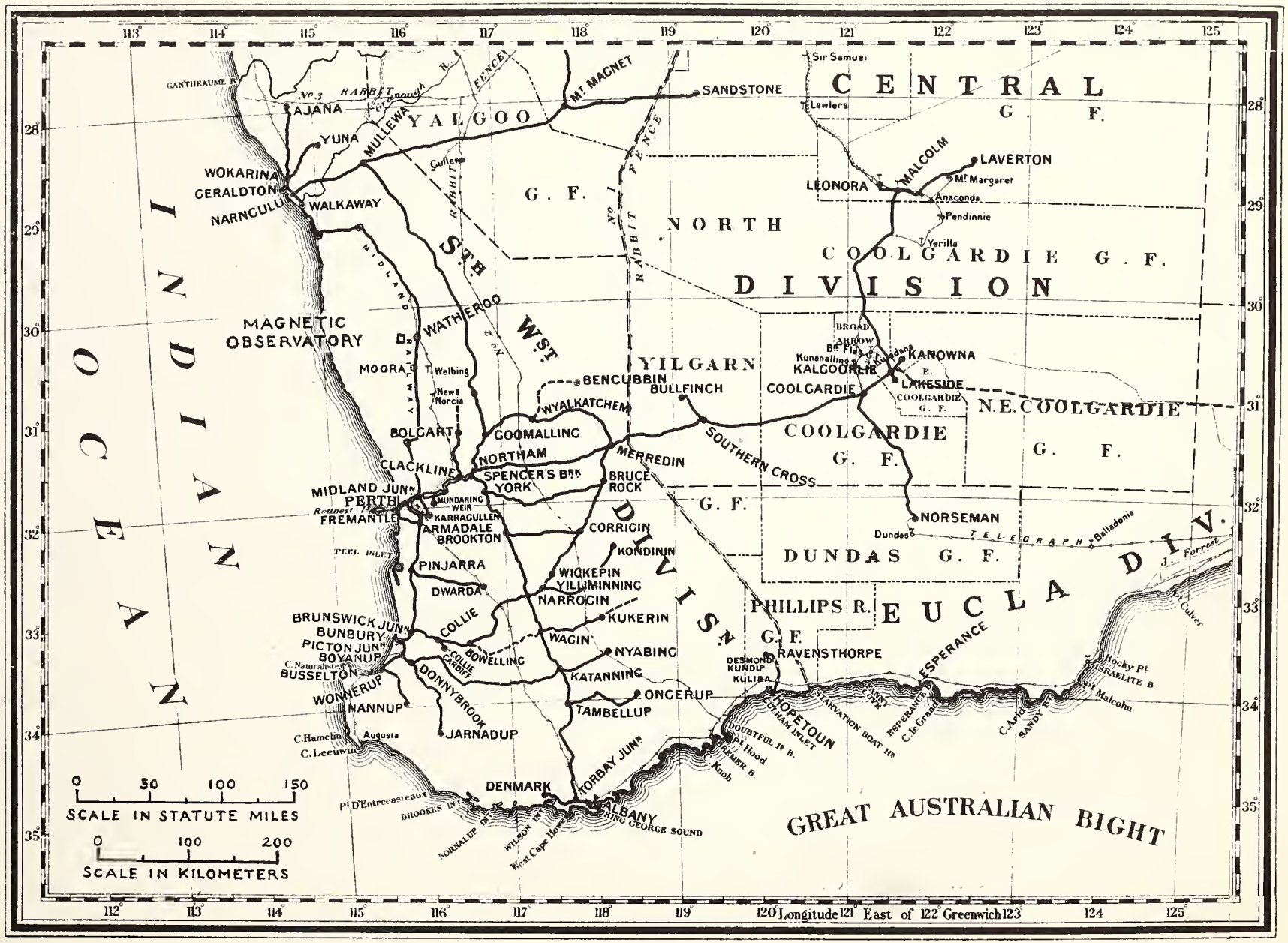
W. F. Wallis left Washington for Australia in June, 1916, to select a site; on his arrival at Perth, he was joined by W. C. Parkinson of the Department, who had been engaged in magnetic-survey work in Australia. Before taking up their search in August, 1916, Messrs. Wallis and Parkinson consulted with various government officials of the Land Office, the Survey Department, and the Geological Survey. Many promising locations were examined, but most of them had to be rejected because of natural local magnetic disturbances. It was not until early in March, 1917, that a site answering all requirements, as nearly as they could be fulfilled, was found about 12 miles by road westward of Watheroo, 132 miles from Perth, on the Midland Railway and in latitude 30° 18′ south and longitude 115° 53′ east.

As the first World War was in progress at this time, numerous difficulties were encountered in obtaining workmen and materials and supplies for constructing and equipping the necessary observatory buildings. It was not until January 1, 1919, that the observatory was completed and the magnetic instruments were installed. Except for one short interruption, complete magnetic and other geophysical records have been obtained from that date.

For valuable advice, assistance, and encouragement in connection with the establishment and operation of the Watheroo Magnetic Observatory, grateful acknowledgement is made to the following: The Honorable Sir Henry B. Lefroy, member of the Western Australian Parliament, Minister for Lands and Agriculture, and later Premier of the State; the Honorable Sir Walter Kingsmill, member of Parliament, whose keen interest in scientific matters and valuable suggestions were very helpful; Messrs. J. H. M. Lefroy and A. W. Canning, District Surveyors with offices in the Department of Lands and Surveys, who freely gave assistance on the basis of their long experience as government surveyors in many parts of the state; Mr. U. W. Burke, American Consular Agent at Perth, whose valuable advice on business matters was of material benefit; Professor A. D. Ross of the department of physics in the University of Western Australia, who from the beginning has shown a keen interest in the work and, through the years, on occasions too numerous to mention, has given freely of his time to consult, confer, and advise with the staff of the observatory on the many problems concerned with maintenance of a high standard of scientific work. Grateful acknowledgement is also made of the cooperation and assistance of officials of the Department of Trade and Customs of the Commonwealth Government in expediting the entry of scientific equipment and supplies, and in granting free entry for all such items; of the support and cooperation of Mr. H. P. Brown, C.M.G., Mr. J. Malone of the Postmaster-General's Department, Wireless Branch, Melbourne, and Messrs. Scott and Turnbull of the Radio Inspector's Office, Perth, in securing the extension of departmental privileges in the observatory's radio and ionospheric-research program; of the valued assistance of Senator H. B. Collett, C.M.G., in making representations in the observatory's interests to government departments at Canberra; and of the interest and support of Sir J. P. V. Madsen, Chairman of the Radio Research Board of the Council for Scientific and Industrial Research, in the observatory researches.

The present volume, part B of volume VII of Publication 175, "Researches of the Department of Terrestrial Magnetism," contains magnetic data obtained at the Watheroo Magnetic Observatory in the years 1936 through 1944. (Part A, previously published, contains data for the years 1919 through 1935.) The data are tabulated in hourly values on monthly tabulations. Separate tabulations are given for horizontal intensity, vertical intensity, and declination. From these basic data, tabulations have been made and are given for noncyclic change and diurnal variation of the various elements.

Table 1 of part VII-B gives the names of the observers-in-charge and members of the staff who participated in the collection of the magnetic data during 1936 to 1944. Perusal of the descriptive matter in the early part of the volume and examination of the tables of data will serve to give some indication of the extensive and



Map of southwestern part of Australia showing location of Watheroo Magnetic Observatory

significant contributions made by these men to our knowledge of terrestrial magnetism. At Washington, where the work of interpretation and discussion has been done, many other members of the staff have taken part. H. F. Johnston has been in charge of this work and has had a major share in the preparation of the material given here. Assisting him have been A. G. McNish, S. E. Forbush, W. E. Scott, and Miss E. Balsam. Miss Balsam has been responsible for the preparation of the numerous tabulations of data which are presented.

O. W. Torreson has assisted with the final arrangement of material for publication, and Miss M. H. Walburn has prepared final copy of the manuscript and completed the layout of the volume for printing by the offset method.

J. A. Fleming
Director, Department of Terrestrial Magnetism

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MAGNETIC RESULTS FROM WATHEROO OBSERVATORY, WESTERN AUSTRALIA, 1936-1944

INTRODUCTION

The Watheroo Magnetic Observatory is situated in latitude 30° 19′.1 south and longitude 115° 52′.6 east, at an elevation of 245 meters (305 feet) above sea level, 212 kilometers (132 miles) north of Perth, and about 19 kilometers (12 miles) west by road from Watheroo, a station on the Midland Railway. The distance to the nearest point on the railway is 17 kilometers; to westward from the observatory, 90 kilometers of sand plain extend to the Indian Ocean.

The geomagnetic co-ordinates of the site, reduced to epoch 1922, are latitude (Φ) 41°.8 south and longitude (Λ) 174°.4 west; the bearing of the geomagnetic meridian relative to geographic meridian (Ψ) is 1°.3 east.

The terrain is a level stretch of sand plain, clear of timber, and covered only with small banksia, low bushes, and coarse grass. The surrounding country is slightly undulating, with groves of eucalyptus trees in the occasional and widely separated "water-soaks." The total area of the observatory tract, including two long extensions with 10-acre plots at their ends for earth-current lines, is about 240 acres. This tract was generously granted by the Government of Western Australia to the Carnegie Institution of Washington without cost other than that of surveying. The area is large enough to provide a safeguard against bush-fires, which are a menace in certain seasons. The land is unsuited to agriculture and is but slightly used for grazing.

The buildings of the observatory include combined magnetic-variation observatory and office, library and chief observer's office, absolute magnetic observatory, atmospheric-electric observatory, ionospherics laboratory, atmospherics-recorder building, spectrohelioscope building, meteorological shelter, powerhouse, workshop and garage, observers' quarters, auxiliary living quarters, and miscellaneous small buildings.

Climatic conditions are favorable to the work of the observatory. The average maximum temperature during the summer, in January and February, is about 35° C, but the nights are cool with the temperature usually falling below 20° C. The winter months are moderately cool. The mean annual rainfall is about 40 centimeters, most of which occurs in June, July, and August.

Detailed descriptions of the observatory buildings and of the various types of measurements made at the observatory have been given in a preceding volume covering the magnetic results for the years 1919 to 1935.[1]

Important changes in observatory facilities were made in 1938 and 1939. In 1938, multifrequency recording equipment replaced fixed-frequency recording equipment in the ionospheric work; and in 1939, the building containing library and office for the observer-in-charge was constructed. In the magnetic work, the same absolute and variation instruments and buildings were used throughout the period 1936 to 1944 as had been used in the period 1919 to 1935. An important adjustment of the Eschenhagen horizontal-intensity variometer magnet was made early in 1936, placing the results obtained with this instrument on a more satisfactory basis; the details of the adjustment will be given later in the section devoted to the variation instruments.

Personnel

The period covered by this volume, 1936 to 1944, includes several of the war years. Through 1940, it was possible to maintain the staff as formerly, with three observers assisting the observer-in-charge. In the following years, the turnover of observers proceeded at an increased rate, and at the same time fewer men became available. By 1943, there remained only one assistant, and this situation continued through 1944. In spite of these personnel difficulties, the quality and quantity of output of scientific data remained at practically the same high level as in pre-war years, a situation due to the excellent organization of the work by the observer-in-charge and to the great diligence and industry of the men who remained to carry on. The names of the observer-in-charge and assistants in each year are given in Table 1.

DESCRIPTION OF INSTRUMENTS

Absolute Instruments.--Magnetometer DTM CIW No. 7 was used throughout the period 1936 to 1944 for absolute determinations of declination and horizontal intensity. This instrument is of a type designed by the Department to combine the best features of the magnetometers of the U. S. Coast and Geodetic Survey and the instruments of the Magnetic Survey of India. A detailed description of this instrument and of the method of using it to make both declination and horizontal-intensity determinations is given on pages 5 and 6 of volume VII-A, in which are presented the magnetic results obtained at the Watheroo Observatory in the years 1919 to 1935. The instruments and the forms on which the observations are recorded are illustrated in that volume in figures 18, 20, 21, and 22.

Earth inductor DTM CIW No. 2 and a sensitive Plath galvanometer were used from 1936 to 1944 for the absolute determinations of inclination. The design of the earth inductor is substantially that originated by Wild, as modified by Eschenhagen. This instrument, like the magnetometer, is described in volume VII-A, on page 6, and illustrated in figure 19, and the form on which the observations are recorded is shown in that volume in figure 23.

Constants of the magnetometer and earth inductor were determined in 1916 and were assembled as the adopted set of constants under date of May 24, 1916. This set of constants was used in all computations of absolute values of declination, horizontal intensity, and inclination through 1936 to 1943. In 1944, correction

was found to be required in the constant used for the reduction of observed values of horizontal intensity to International Magnetic Standard. The correction was found to be applicable as far back as 1921, and suitable adjustments were made to horizontal-intensity data (and vertical-intensity data, also, because of their dependence on the horizontal-intensity data) for the years 1926 to 1935 in volume VII-A. In the present volume, the necessary corrections again appear at the top of each monthly tabulation of hourly mean values of horizontal intensity and vertical intensity, as will be discussed in greater detail later.

Variation Instruments.--Two sets of variation instruments were kept in operation throughout the period 1936 to 1944. Magnetograph DTM CIW No. 1 of the Eschenhagen type, consisting of declination (D), horizontal-intensity (H), and vertical-intensity (Z) variometers and one photographic recorder, made by Otto Toepfer and Son, Potsdam, was used as the principal magnetograph. A la Cour rapid-running magnetograph (DTM CIW No. 5), having three variometers and a photographic recorder, was operated as a stand-by instrument to supply data when loss of record occurred on the Eschenhagen apparatus, and during disturbed magnetic conditions, to verify results obtained from the Eschenhagen records. The variometers of the la Cour apparatus were mounted west of the recorder on a pier at the north end of the variometer room; in the Eschenhagen apparatus, the variometers were mounted east of their recorder on a pier located at the south end of the room.

Time Control of Variation Instruments.--Time-marks were made photographically at regular intervals on the traces of both magnetographs, appearing as lines perpendicular to the base lines of the variometers. To obtain the time-marks for the Eschenhagen apparatus, a lamp having a horizontal slit was mounted on the wall of the variometer room directly east of the recorder at the height of the axis of the recorder drum. A cylindrical lens in front of the lamp-slit confined the beam largely to a horizontal pencil which was adjusted to cover the central part of the cylindrical lens in front of the recorder drum so that the latter lens brought the pencil to focus on the photographic paper as a sharp line parallel to the axis of the drum. The lamp was automatically lighted for approximately four seconds at hourly intervals and for about two seconds at ten-minute intervals between, by a Landis program machine located in another building at considerable distance from the variometer room. No relays or accessory devices were used in the variometer room. The longer duration of the hourly marks made them readily distinguishable from the ten-minute marks. An independent control of the time-marks was obtained by entering on the daily record of magnetograph operation the time indicated by a standard chronometer whenever the manual shutter of the recorder was closed or opened.

For the la Cour magnetograph, another lamp, also automatically operated by the Landis program machine, provided time-marks at five-minute intervals and two additional marks at one minute before and one minute after the hourly marks.

The program machine was controlled by a reliable electrically operated clock, having a one-meter mercury-compensated pendulum. Corrections to the clock, obtained from triweekly comparisons with wireless time signals, were maintained between plus and minus ten seconds.

Temperature Control of Variation Instruments.--Temperature changes in the variometers were photographically recorded by means of the thermometric devices in the H and Z variometers. Thermometers mounted on the variometers were read morning and evening for control. The amplitude of diurnal variation in temperature seldom exceeded 0°.1 C, and hourly mean variometer temperatures were generally obtained with sufficient accuracy by interpolation between the morning and evening thermometer readings. Monthly ranges of variometer temperatures and monthly means for 1936 to 1944 are given in Table 2.

CONSTANTS OF THE MAGNETOGRAPHS

Orientation of Variometer Magnets in Magnetic Meridian and Prime Vertical.--In 1935 it was discovered that changes in declination were producing changes in the observed values of horizontal intensity, and instructions were issued from Washington on December 2 to examine the orientation of all the suspended variometer magnets. It was suspected that the magnet of the Eschenhagen horizontal-intensity variometer was considerably out of position with respect to the magnetic prime vertical, and information on the orientation of the other magnets was desired as well. The first requirement under this program was the establishment of a permanent line of known azimuth in the variometer room; the second was finding a suitable procedure for introducing a strong test magnet into the variometer room without permanently displacing the variometer magnets.

Orientation Tests in 1936.--The work of testing the variometer magnets for orientation was carried out, in accordance with the instructions of December 2, 1935, during February, March, and April, 1936. The problem of getting a large test magnet (No. 11) into the variation room was examined on February 3. It was found to present some difficulties, as no tools were available for boring holes through a thickness of five feet of wall material. The magnet was finally introduced through the door of the variation room, along the floor, and kept oriented in such a direction as to minimize its effect on the variometer magnets. Upon inspection of the photographic trace on the following day, no effect on the variometer magnets was noted.

On February 5, the preliminary work of transferring an azimuth from the absolute magnetic laboratory to the magnetic variation room was done, all angles being checked by two observers. As it was considered that the value of the declination for the five years 1936 to 1940 would be 3° 30′ west, plus or minus 15′, a line having true azimuth of N 86° 30′ E was established over the Eschenhagen H variometer in the variation room by placing copper tacks in the east and west walls at points designated E and F. A string stretched between E and F would then represent the magnetic prime vertical accepted as prevailing until 1940.

Magnetic meridian lines, differing from true meridian lines by 3° 30′ W, were established over the D and Z Eschenhagen variometers and over the D and Z la Cour variometer. A line parallel to EF was located over the la Cour H variometer.

Orientation tests were begun on February 28. On that date, the large test magnet was taken into the room as on February 3 and placed behind the recorder box of the Eschenhagen magnetograph in a position directly below and parallel to the west end of a string stretched between the points E and F marking the magnetic prime vertical over the Eschenhagen H variometer. The test magnet was centered under the string by means of a small plumb-bob suspended from the string and was in the same horizontal plane as the suspended H variometer magnet. The center of the large magnet was placed 160 cm from the center of the suspended H magnet. The deflections of the H magnet were recorded for the following orientations of the large magnet: north end west, face down; north end west, face up; north end east, face down; and north end east, face up. Examination of the photographic trace on the following day showed no appreciable difference between the deflections with the large magnet face down and face up and in subsequent tests only the position "face up" was used.

This series of deflections indicated that the H-variometer magnet, viewed from above, was out of the magnetic prime vertical in a counterclockwise direction; that is, the north end of the magnet, which is toward the east, was displaced toward the north. The double deflection measured 47 mm, being 23 mm when the magnet was deflected clockwise and 24 mm when it was deflected counterclockwise.

The H variometer was opened on February 29 and the position of the suspended magnet noted. Its approximate deviation from the magnetic prime vertical was determined as follows. The string was again stretched between E and F, and a second string was held by two observers, one at the variometer, the other at the west wall of the room. The direction of the second string was adjusted until the observer at the variometer indicated that he considered the string parallel to the suspended magnet. A mark was then made on the west wall at the point indicated. After repeated trials, the observers exchanged positions; the average displacement of all the points on the wall, measured along the wall from the magnetic prime vertical, with allowance made for some lateral displacement of the second string from the magnet at the variometer, was found to be 29.2 cm. The distance from the variometer to the west wall of the room was measured as 195.6 cm. From these measurements, the angle of displacement of the suspended magnet was found to be approximately 8°.5. This method of determining the angle was recognized as being rough and inaccurate, but it appeared to be the best procedure in the circumstances.

The adjustment of the variometer magnet into the magnetic prime vertical was then made. The magnet was turned clockwise with respect to the mirror on its mounting, as viewed from above, until the change in position of the light-spot as observed on the scale on the front of the recording box was very small for reversals of polarity of the large magnet. To get the smallest change in position, it was necessary not only to turn the suspended magnet but also to adjust the torsion-head of the variometer. When the closest possible adjustment had been made, the shutter of the recording box was opened and the deflection-spots were allowed to record with the large magnet in two positions, north end east and north end west. Examination of the trace on March 1 showed the double deflection to be 5.5 mm, or about 2 per cent of the double deflection before adjustment. The direction of the deflection was such as to indicate that the suspended magnet was slightly out of the magnetic prime vertical in a counterclockwise direction, but further adjustment was not attempted.

Prior to adjustment, the scale value of the H variometer had been 2.69 + 0.005h; after the adjustment, it was found to be 1.38 + 0.005h. The change in the "A" factor was thus 1.31. With the "B" factor as 0.005, the H spot was moved 1.31/0.005 mm or 262 mm. As the distance from the H-variometer magnet to the recording drum is 1170 mm, a movement of the magnet of one minute of arc produces a change of 0.68 mm on the trace, and therefore the change of 262 mm on the trace was caused by a change of 262/0.68 minutes, i.e., 385′ or 6° 25′. This figure is to be compared with the rough figure of 8°.5 mentioned above.

The value of 6° 25′ obtained as just indicated for the displacement angle was verified later after the moment of the test magnet was measured. The value of the moment M was found to be 12,000 C.G.S. units, to a sufficient degree of accuracy. With the large magnet in the position already described, the angle of displacement of the suspended magnet from the magnetic prime vertical was obtained from the relation

$$\tan \varphi = (\epsilon_H h d^3) 10^{-5}/2M$$

where ϵ_H is the scale value, h is half the total range of deflection in millimeters recorded on the magnetograph trace, and d is the distance in centimeters between the two magnets. With ϵ_H equal to 2.70γ per mm, h equal to 23.5 mm, and d equal to 160 cm, the angle was found to be

$$\varphi = 6° \; 11'.$$

The Eschenhagen D and Z variometers were tested also on February 29. Placing the large magnet north of the D variometer at a distance of 150 cm in the horizontal plane and in the magnetic meridian through the center of the suspended D magnet and making exposures of the recording spot with the large magnet oriented north end north or north end south produced no deflection on the D trace. The Z variometer test, in which the large magnet was 150 cm north of the Z magnet in the horizontal plane and in the magnetic meridian through the center of the Z magnet, resulted in an almost symmetrical double deflection amounting only to 5.5 mm, and no adjustment of the Z magnet was considered necessary.

The la Cour variometers, D, H, and Z, were tested for orientation on March 1 and 2, and small deflections resulted in each case. For the tests of D and Z, the large test magnet was placed 150 cm south of the suspended magnet in each case and in the horizontal plane and the magnetic meridian through the center of the suspended magnet. For the test of H, the large magnet was 150 cm east of the suspended magnet, in the magnetic prime vertical. The deflection of the D magnet was slight and not quite symmetrical, but no adjustment of it was made. For the H magnet, one of the deflected spots was obscured, but the other was so slightly displaced that adjustment of this instrument also was avoided. The test of the Z magnet yielded a pair of slightly unsymmetrical deflection spots, the double deflection being about 4 or 5 mm. As the method of balancing this magnet involves filing material off the magnet, no attempt was made to improve the small departure from correct orientation.

During March, scale-value observations were made on the Eschenhagen H variometer on March 4, 11, and 17; but the increased sensitivity of this variometer, resulting from adjustment of the suspended magnet into the magnetic prime vertical, made the scale-value deflections unsatisfactory. With the scale-value magnet at the two deflection-distances of 28 and 29 cm, the recording spot went off the trace, and it was considered necessary to find some means of restoring the lower sensitivity prevailing previously. On March 18, the H variometer was opened and carefully examined and various adjustments were made, but scale-value determinations on the following day indicated that the sensitivity had been further increased rather than decreased. Thereupon it was decided to install a heavier suspension fiber in the variometer, but it was found that no stock of heavier fibers was available. The only alternative was the installation of a control magnet, and this was done on March 24.

The control magnet, which was a group of three magnets constituting a laminated unit, was placed with north end west on the vertical rod extending downward centrally from the base of the magnet house, at a distance of 9.7 cm below the variometer magnet, and aligned as accurately as possible with the magnetic prime vertical. The control unit was approximately 22 mm long, 4 mm wide, and 1.5 mm thick.

On March 28, tests of the prime-vertical alignment of the suspended H magnet were again made with the large magnet to determine whether or not the installation of the control magnet had caused a change. It was found that a sufficient change had occurred to necessitate further alignment, and such alignment was made on April 1. The final test of the new orientation of the suspended magnet showed that it was very close to the magnetic prime vertical, being turned slightly in a clockwise direction, viewed from above. However, the readjustment to the magnetic prime vertical again increased the sensitivity of the H variometer, and it was necessary to mount additional control magnets.

Two more control magnets were added to the control group on April 7, oriented as the other three, increasing the group thickness to approximately 2.5 mm. The addition of these magnets decreased the sensitivity of the variometer sufficiently to give a scale value within 10 per cent of that prevailing prior to February 29.

The control-magnet group was retained on the H variometer through the years 1936 to 1944 and the scale values of this period remained very uniform, as may be seen from the scale-value data in Table 3.

To maintain the Eschenhagen H magnet approximately in the magnetic prime vertical, with an annual range in temperature in the variation room of 11° to 12° C, and with a temperature coefficient of the variometer such that the recording spot changes its position 5 or 6 mm per degree change in temperature, it was suggested in the instructions of December 2, 1935, already referred to, that the setting of the torsion head of the variometer be changed twice each year to restore the magnet approximately to its prime vertical position. However, negligible errors are introduced into the data by a deviation of the recording spot of as much as 25 mm (equivalent to a departure of the magnet from the prime vertical of approximately 0°.6), and the procedure of adjusting the torsion head only as required to keep the recording spot within 25 mm of the desired position was adopted. In Table 8 several of the abrupt changes in the H base line which are given for the years 1936 to 1944 were made to maintain the H magnet near the prime vertical position.

For the Eschenhagen Z variometer, there were similar considerations with regard to temperature effects on the position of the variometer magnet. The position of the Z recording spot changes approximately 40 mm over the annual range in temperature, which is equivalent to a change of approximately 0°.5 in the level of the magnet. However, a change in level of as much as 0°.6 is permissible since such a change introduces only about 1 per cent of the diurnal variation in horizontal intensity into the vertical-intensity trace, and the average annual range in diurnal variation of horizontal intensity is less than 50γ. The rule was laid down, therefore, that the average position of the Z recording spot was to be kept within 50 mm of the position it would have if the magnet were exactly horizontal. Several abrupt changes in Z base line listed in Table 10 were caused by adjustments made to maintain the Z magnet as nearly horizontal as required.

Orientation Tests in 1940.--Orientation tests of the variometers of both Eschenhagen and la Cour magnetographs were repeated in July and August, 1940, using the same large test magnet (No. 11) as in 1936 and the same positions and distances of this magnet with respect to the various suspended magnets. It was assumed on this occasion, however, that the magnetic prime vertical prevailing for the period 1940 to 1945 would be 3° 00′ west, a change of 30′ from the 1936 value. New magnetic prime-vertical lines were accordingly established over the H variometers and new magnetic meridian lines over the D and Z variometers. Improved testing equipment was provided in the 1940 tests, including an adjustable non-magnetic stand for supporting the large test magnet and copper wire passed through eyelets and held taut by lead weights instead of the string previously used as the prime vertical and meridian lines.

Orientation tests on the Eschenhagen H variometer were made on July 24 and 25, and the total range of deflection, or double deflection, with the large magnet first north end east and then north end west, was found to be 8.7 mm on July 24 and 9.1 mm on July 25. On the basis of these deflections, the angle of displacement of the H magnet from the magnetic prime vertical was found to be 1° 07′. On August 31, the H recording spot was moved approximately 40 mm nearer the base line to bring the magnet more nearly into the magnetic prime vertical.

The Eschenhagen D variometer magnet was next tested and double deflections of 0.2 mm and 0.4 mm were obtained in two trials. No adjustment of the D magnet was made. Two tests of the Eschenhagen Z variometer magnet gave double deflections of 4.9 mm and 4.5 mm, and no adjustment was made on this instrument.

On July 31, the variometers of the la Cour magnetograph were tested. The deflection distance for all three variometers was 150 cm. The double deflection for H was 4.5 mm, and for Z 6.2 mm, and for D 6.5 mm. No adjustments in orientation of the magnets in these three instruments were made.

Orientation Tests of July, 1945.--The arrangements and procedures utilized in the tests of 1940 were followed in detail in the tests of 1945. For the variometers of the Eschenhagen magnetograph, the distances from the large test magnet (No. 11) to the suspended magnets were the same as in 1940; but for the la Cour magnetograph, new distances were used, namely, 132.7 cm for H, 163.7 cm for D, and 141.4 cm for Z. The Eschenhagen H

variometer was tested on July 18, and the resulting range, or double deflection, of the recording spot was found to be 7.0 mm. From this it was calculated that the H magnet was about 1° out of the magnetic prime vertical. The recording spot was then moved 40 mm nearer the base line, after which another test with the large magnet gave a double deflection of only 0.8 mm. The H magnet was then considered to be in the prime vertical for the temperature then prevailing in the variation room (16°.5 C).

The D variometer magnet was tested on July 20, the recording spot showing a double deflection of 1.3 mm. The torsion head was turned 9°, moving the spot 10 mm nearer the base line; practically zero deflection was obtained when the test was repeated thereafter. The Z variometer test gave a double deflection of 3.3 mm, and the spot was moved 11 mm nearer the base line by adjustment of the counterweights on the magnet. The double deflection after the change was only 1.1 mm.

The la Cour variometers were tested on July 24, 25, and 26. Test of the Z variometer gave a double deflection of 2.7 mm and no adjustment of this instrument was attempted. For the D variometer, the test gave a double deflection of 5.0 mm. The torsion head was adjusted and the recording spot then brought back to a suitable recording position by rotation of the magnet housing, until tests with the large magnet gave a negligible double deflection. The test of the H variometer gave a double deflection of about 6 mm, and the torsion head was moved 1° to bring the magnet into the magnetic prime vertical. A subsequent test gave a double deflection of only 1.7 mm, and no further adjustment was made.

Magnetogram Shrinkage Corrections and Scalings.--Magnetograms show considerable change in linear dimensions as a result of photographic processing. To obtain the corrections for shrinkage or expansion, each magnetogram, as soon as it was removed from the recorder drum, was inserted in a marker and pricked by several pairs of points, the distance between the points of each pair being accurately known. The distances between several pairs of holes on the magnetogram were measured at the time of scaling the records, and the corrections were obtained through comparison of these measurements with the known separation of the pricker points. Corrections for shrinkage or expansion were allowed in the scaling of all tabulated data for the years 1936 to 1944.

The average ordinate of the horizontal- and vertical-intensity traces on the Eschenhagen magnetogram was scaled, in millimeters, for each hourly interval bounded by integral hours of 120° east meridian mean time, and was corrected for shrinkage, tabulated on an appropriate form, and independently checked at the observatory. The same applies to the Eschenhagen declination trace except that, by the use of a single table appropriate to the measured shrinkage, the average ordinate, measured in millimeters, was corrected for shrinkage and converted to minutes of arc before being tabulated.

The Eschenhagen Declination Variometer

Orientation of Magnet.--Torsion observations from time to time and tests made in 1936, 1940, and 1945 with a large auxiliary magnet as described in preceding paragraphs indicated that the axis of the magnet during the years 1936 to 1944 was parallel, or effectively so, to the magnetic meridian as determined in the absolute observatory.

Scale Value.--Certain dimensions and other constants of the magnetograph fix the scale value of the declination variometer. The formula used for determination of scale value contained a term for the effect of the torsion of the fiber. Redeterminations of scale value at intervals of approximately one year indicated that for the years 1936 to 1944 a change of one millimeter on the magnetogram corresponded to a change of 1′.03 in declination.

The Eschenhagen Horizontal-Intensity Variometer

Orientation of Magnet.--The orientation test of February 29, 1936, indicated that the H-variometer magnet was out of the magnetic prime vertical more than 6°. On the same date, the magnet was adjusted and brought into the prime vertical. This operation altered the sensitivity of the variometer, and it became necessary to install control magnets, the installation being made on March 24. This, however, again altered the orientation, and the magnet was again brought into the prime vertical on April 1, 1936. After that time, the magnet did not depart from the prime vertical position by more that 1°.5 (tests of 1940 and 1945 showed departures of approximately 1°) because the torsion head of the variometer was turned to restore the magnet to the magnetic prime vertical whenever temperature effects caused departures as great as 0°.5 to 0°.6.

Temperature Coefficient.--An increase of one degree centigrade in the temperature of the H variometer caused a decrease in the ordinate h corresponding to an apparent decrease in horizontal intensity of 13.5γ for all years 1936 to 1944.

Scale Value.--The scale value was determined, usually once a month, in the years 1936 to 1944, by deflection observations on the D and H suspended magnets with a small auxiliary magnet placed at the three distances of 28, 29, and 30 cm. The scale values obtained from these observations are given in Table 3, together with computed and adopted values of A.

To obtain the values of A, the value of B was taken as 0.005 for all years 1936 to 1944. This value of B was used with appropriate values of h, the ordinate of horizontal intensity in millimeters from the base line, and of scale value, ϵ_h, in the formula

$$\epsilon_h = A + Bh.$$

In Table 3, it will be noted that only five major changes occurred in the value of A, and all these were in the first four months of 1936 when orientation adjustments were made.

For the conversion of the horizontal-intensity magnetogram hourly mean ordinate, in millimeters, to gammas the formula used was

$$\Delta H = [A+Bh/2]h$$

where h is the ordinate in millimeters from the horizontal-intensity base line. The value of horizontal intensity in gammas was obtained from the base-line value plus ΔH, except for the correction for temperature.

The Eschenhagen Vertical-Intensity Variometer

Orientation of Magnet.--Tests made in 1936, 1940, and 1945, with a large auxiliary magnet, indicated that the axis of the Z-variometer magnet was horizontal for all practical purposes in the years 1936 to 1944. Owing to the effects of temperature on the variometer, departures of as much as 0°.5 from the horizontal were tolerated; when this value was reached, the position of the recording spot to a location nearer the base line was adjusted to prevent further departure. Such adjustments are included in the list of abrupt changes in Z base line given in Table 10.

Scale Value.--Determinations of Z scale value were made almost daily during the years 1936 to 1944 by means of the Helmholtz-Gaugain coil which was installed in September, 1933. The coil consists of two circular loops of four turns each, the loops being 12 cm in radius. The loops are mounted in parallel planes, coaxially, their distance apart being equal to their radius. Near the center of such a system the magnetic field produced by a current in the coils is

$$F = 64\pi ni/r\sqrt{5}$$

where F is the field in gammas, n is the number of turns on one coil, i is the current in milliamperes, and r is the coil radius in centimeters. For the Watheroo coil, the field per milliampere is 29.99 gammas.

In practice, a current of +2.0 ma was applied for a short interval and then a current of -2.0 ma for an equal interval, giving deflections of the recording spot in opposite directions, away from the regular recording position with no current in the coils. Only a few minutes each day were required for scale-value determinations by this method; all switches and controls were located at some distance from the variation room, so that it was unnecessary to enter the room during the determinations.

The Z scale values for 1936 to 1944 are given in Table 4. Although 69 different scale values were used during the nine-year period, examination of the table reveals that there were only four major changes in that interval. From January 1, 1936, to June 9, 1937, the value was approximately 4.2γ/mm; from June 9, 1937, to November 26, 1937, approximately 3.8γ/mm; from November 26, 1937, to December 19, 1941, 3.4γ/mm; and from December 19, 1941, to December 31, 1944, about 3.2γ/mm. The major changes appear to have occurred when adjustments of the Z temperature spot were made.

Temperature Coefficient.--An increase of one degree centigrade in the temperature of the Z variometer caused a decrease in the ordinate h corresponding to an apparent decrease of vertical intensity of 13.5 gammas for all years 1936 to 1944.

ABSOLUTE OBSERVATIONS AND VARIOMETER BASE-LINE VALUES

Determinations of Declination.--Observations of declination were made weekly with magnetometer DTM CIW No. 7 in all years 1936 to 1944. An observation consisted of two sets of measurements, the first set being made just prior to the horizontal-intensity observations and the second set immediately after. Each set involved four readings with the magnet erect and four with the magnet inverted. These readings were preceded and followed by readings on a "mark" of known azimuth. A correction of -0'.2 (easterly declination considered positive) was applied to observed values of declination to reduce them to international standard.

Determinations of Horizontal Intensity.--Observations of horizontal intensity were made weekly throughout the years 1936 to 1944 with magnetometer DTM CIW No. 7. Each observation consisted of two sets, the first with magnets erect and the second with magnets inverted. In the first set, oscillation measurements were made first, and then deflection observations at three distances. In the second set, the deflection observations were made first. A correction was applied to the observed values to reduce them to International Magnetic Standard, as specified in the summary of constants for magnetometer No. 7 dated May 24, 1916. The equation for this correction was given as

$$H_{corr} = -0.00052H,$$

and the corrections were computed from this equation until 1944. From measurements of the moment of inertia of magnet 7L and its suspension, in 1944, examined in relation to earlier inertia measurements, it was concluded that a correction to the preceding equation was required and that the corrected equation should apply to data obtained in all years after 1925. The equation as adopted in 1944 is as follows:

$$H_{corr} = -0.00074H + (1926.0-t)0.0000517H,$$

where t represents the year for which the correction is being made. Values of horizontal intensity given later in various tables have been corrected as necessary, on the basis of the 1944 equation for correction to International Magnetic Standard.

Determinations of Vertical Intensity and Inclination.--The ordinates of the Eschenhagen horizontal-intensity record and the adopted horizontal-intensity scale values and base-line values were used in conjunction with observed inclination I to obtain "observed" vertical intensity from the equation H tan I. Two sets of inclination observations were made once each week, the first set preceding and the second set following the observations of declination and horizontal intensity. Throughout the years 1936 to 1944, the inclination observations were made with earth inductor DTM CIW No. 2. Each set was composed of four settings with the spirit level and four with the coil and galvanometer, all with vertical circle east, followed by four settings with the spirit level and four with the coil and galvanometer, all with vertical circle west. No correction to International Magnetic Standard was necessary for values of inclination obtained with earth inductor No. 2.

Comparison of Absolute Instruments.--In 1936, 1938, and 1940, the observatory magnetometer No. 7 and the earth inductor No. 2 were subjected to intensive comparison with field instruments sent out from the Department on land surveys; these instruments, upon return to the laboratory in Washington, were compared with

International Standard Magnetometer No. 3. Control was thus maintained of the constancy and reliability of the observatory absolute instruments. The results of the comparisons will appear in a subsequent volume devoted to land magnetic observations.

Base-Line Values.--Tables 5 to 10, inclusive, give the discontinuities of adopted base-line values, the observed base-line values, and the base-line values adopted for the times of absolute observations of the elements D, H, and Z for all the years 1936 to 1944. There was no specific rule for interpolating among observed values, such as the ones used by some observatories abroad. Rather, the adopted values were derived from the observed values by careful consideration of the individual values and the monthly means; in case of irregularity the concurrent performance of the la Cour magnetograph was taken into consideration.

In the course of routine base-line computations, comparisons were regularly made between the ordinates used in reducing the absolute observations and those embodied in the tabulations of hourly values, in order to find any systematic disparity such as might readily arise in scaling.

BASIC HOURLY VALUES AND ASSOCIATED MEANS

Basic Results.--Tables numbered 30 to 353 contain hourly values of the magnetic declination, horizontal intensity, and vertical intensity. The values represent the means for successive periods of one hour, the first period for each day being that for the hour commencing at midnight, 120th east meridian mean time. To avoid the use of signs, the tabulated values of declination and of vertical intensity are in their numerical sense, since both westerly declination and vertical intensity at this observatory are negative in the algebraic sense. The values were obtained from records of the Eschenhagen magnetograph, except for occasional brief periods of faulty instrumentation or excessive disturbance of the record; on such occasions the values were filled in or verified from the records of the la Cour magnetograph.

Scalings from the magnetograms, in terms of millimeters of deflection from base line for horizontal and vertical intensity, and in terms of degrees and minutes of arc for declination, were made and checked by the observatory staff for the entire period 1936 to 1944. Scale values and base-line values were likewise computed and checked at the observatory. Conversion of scalings in horizontal and vertical intensity to gammas was done at the laboratory in Washington, after adoption of adjusted scale values and base-line values.

A careful analysis of observed scale values and base lines was made at Washington in order that the adopted values might be based upon as long a series of determinations as was consistent with the behavior of the instrument.

The temperature coefficients of the horizontal- and vertical-intensity variometers were obtained from a statistical analysis of the variations in the observed base-line values with temperature.

The hourly mean ordinates of horizontal intensity were converted to gammas by means of the formula

$$\Delta H = [A+Bh/2]h$$

which was discussed earlier and in which account is taken of the variation in scale value with ordinate, but no correction is included for temperature.

Owing to improper orientation of the Eschenhagen H-variometer magnet during the two months of January and February, 1936, the scalings in these months did not represent true horizontal intensity; changes in D were producing changes in H. For publication in the present volume, the data in these two months were corrected by the adding, algebraically, of a quantity in gammas derived through multiplying the departure in D (in minutes) from the monthly mean value by 0.8; that is, $H_{corr} = 0.8\ D_{dep}$ where the sign of D_{dep} is negative for westerly departure from the mean. The largest correction required was 8 gammas in the two months.

Before the equation of 1944 was derived for the correction of values of horizontal intensity, as observed with magnetometer No. 7, to International Magnetic Standard, the tabulations of hourly mean values of horizontal intensity had been completed, with the tabular values so chosen as to be added to a rounded figure of 24,000 gammas. This rounded figure was to appear at the top of each monthly tabulation of hourly mean values, for the years 1936 to 1944. Instead, in all years except 1944, the values are between 18 and 28 gammas smaller than 24,000. For January, 1936, the value is 23,882, and for December, 1943, 23,872. For 1944, the tabulated data were prepared on the basis of the 1944 equation for correction to International Magnetic Standard.

Similarly, the values shown at the top of each monthly tabulation of vertical intensity have been reduced by small amounts of from 38 to 59 gammas in the years 1936 to 1943. These reductions were required because the values of vertical intensity as tabulated had been based on the horizontal-intensity values before revision, used together with values of inclination.

Maximum and Minimum Values.--The maximum and minimum columns on the tabulations of hourly mean values of each of the elements contain the momentary extreme values of the element for each day, together with the 120th east meridian times of their occurrence.

Character Figures.--The figures in the "character" column were assigned on the scale of 0, 1, and 2 used in assigning international character figures, but they refer to calendar days (120th east meridian mean time).

Computed Means.--The four lines at the bottom of each table show average hourly means for particular groups of days, computed from the individual hourly values tabulated for the various days of the month. The first of the four lines is derived from all the days, the days being taken according to local or 120th east meridian mean time. The other three lines are derived from selected days as indicated by the check-marks in the columns headed ✻, †, and ‡, the original computations being carried one place further than the results shown. The general average of all the basic values falling in each of the four groups of days is given in the "Mean" column.

In the selection of the ten quiet or "least disturbed" days of each month, taken, as in the case of "all days," on 120th east meridian mean time, consultation was held with the Division of Terrestrial Magnetism and Seismology of the U. S. Coast and Geodetic Survey. The resulting selection was jointly established and was usually identical for the five observatories of the Survey and the

two observatories of the Department. An effort was made to avoid days of marked noncyclic change such as usually occur after severe magnetic disturbances.

Selection of five international quiet days and five international disturbed days in each month was made for 1936 by the Commission of Terrestrial Magnetism and Electricity of the International Meteorological Organization at DeBilt on the basis of reports from many magnetic observatories. The selection was published in "Caractere magnetique de chaque jour." For 1937 to 1939, the selections appeared in the same publication but under the auspices of the Association of Terrestrial Magnetism and Electricity of the International Union of Geodesy and Geophysics. From 1940 to 1944, through the collaboration of the International Meteorological Organization, the Geophysical Institute at Potsdam, and the Department of Terrestrial Magnetism, selections of days were prepared and published in the Journal of Terrestrial Magnetism and Atmospheric Electricity.[2,3,4] The international quiet and disturbed days begin and end with Greenwich midnight; the check-marks designating these days are on the lines referring to the like-numbered local days. The means are in the same vertical columns, respectively, as the basic values from which they were computed. In the means for the five international quiet days, the upper value for the hour 7-8 (23-24 GMT) and the lower value for the hour 8-9 (0-1 GMT) represent, respectively, means for the last hour of each Greenwich day before and the first hour of each Greenwich day after an international quiet day.

For three months in the years 1936 to 1944 (June, 1938; March and April, 1940), the monthly mean for "all days" lacks one day in each of the elements D, H, and Z, owing to loss of magnetograph record. In June, 1938, only four instead of five days are included in the mean for the international quiet days, and in March, 1940, there are only four days included in the mean for the international disturbed days.

SUMMARY OF MONTHLY MEANS

Monthly mean values of D, I, H, X, Y, Z, and F are presented in Tables 11 to 19, for the years 1936 to 1944. Monthly mean values of D, H, and Z were abstracted from the tables of hourly mean values. The monthly mean values of X, Y, F, and I were computed from the monthly mean values of D taken to 0′.01 and values of H and Z taken to 0.1γ.

Group means are tabulated, below the monthly means in each year, for three groups of four months each and for the year as a fourth group. The group means were derived directly from the tabulated monthly means with which they are associated. The three groups of four months each are designated by Roman numerals, as follows: I, January, February, November, December; II, March, April, September, October; III, May, June, July, August. The monthly mean values for all the elements for each of the four groups are based on homogeneous data; that is, they are based only on those days for which the records were complete in all three elements, D, H, and Z.

SUMMARY OF ANNUAL MEANS

A summary of annual mean values of D, I, H, X, Y, Z, and F for the years 1919 to 1944, inclusive, appears in Table 20. For the years 1919 to 1935, the annual means were transcribed from previously published results and for the years 1936 to 1944 they were abstracted from the tables of monthly means discussed above.

MEAN DAILY NONCYCLIC CHANGE

Tables 21 to 29, inclusive, present monthly means of daily noncyclic change in the elements D, H, and Z for the four groups of days (all days, ten selected quiet days, five international quiet days, and five international disturbed days) for the years 1936 to 1944. The tabular quantities A and B are defined in the tables; the values of A and B were computed from unrounded means of hourly values. The average of A and B gives the monthly mean of the daily noncyclic change taken in the algebraic sense. A comparison of the values of A and B provides an estimate of the reliability of the noncyclic change as derived in this way.

The monthly mean values of daily noncyclic change in each of the four groups of days in any month are based on homogeneous data; that is, they are based only on those days in each group for which the records for all three elements D, H, and Z are complete.

DIURNAL-VARIATION TABLES

The monthly mean diurnal variations in D, I, H, X, Y, Z, and F are presented in Tables 354 to 416 for four groups of days for the years 1936 to 1944. The tabular values are the means for the hourly intervals indicated at the heads of the columns. In the tables for all days and for the ten selected days, these intervals pertain to 120th east meridian mean time, whereas in the tables for the five international quiet days and the five international disturbed days the intervals pertain to Greenwich mean time.

Diurnal Variations of Observed Elements.--Hourly values of ΔD, ΔH, and ΔZ in the diurnal variations of D, H, and Z, respectively, were computed to 0′.01 in D and 0.1γ in H and Z directly from the hourly mean values obtained from observations in the three elements.

Diurnal Variation of Derived Elements.--Diurnal variations, for each of the four selected groups of days, in the elements X, north component; Y, east component; F, total intensity; and I, inclination, were derived from the diurnal variations in the observed elements D,

declination; H, horizontal intensity; and Z, vertical intensity. The elements X, Y, F, and I are defined by the following equations:

$$X = H \text{ cosine } D$$

$$Y = H \text{ sine } D$$

$$F = \sqrt{H^2+Z^2}$$

$$I = \text{arc tangent } Z/H.$$

From these equations may be obtained the following expressions for ΔX, ΔY, ΔF, and ΔI, correct to the first order approximation, which define the respective diurnal variations in the above elements in terms of the quantities ΔD, ΔH, and ΔZ, the latter defining the diurnal variations in declination, horizontal intensity, and vertical intensity, respectively:

$$\Delta X = \cos D\ \Delta H - H \sin D \sin 1'\ \Delta D$$

$$\Delta Y = \sin D\ \Delta H + H \cos D \sin 1'\ \Delta D$$

$$\Delta F = \cos I\ \Delta H + \sin I\ \Delta Z$$

$$\Delta I = \frac{H\ \Delta Z - Z\ \Delta H}{(H^2+Z^2) \sin 1'}.$$

In these expressions ΔD and ΔI are given in minutes of arc. The numerical coefficients in the above equations were determined by use of mean values of D, H, and Z for all days over a period of one or more years, account being taken of the fact that D, being west, and Z, being toward the nadir as referred to the north-seeking end of a magnet, are both negative, as is also I. Care was taken to insure that the approximations involved in the above expressions justified the precision in the computed quantities which is indicated by the number of significant figures recorded in the tabulations.

Suitable numerical coefficients having been determined, hourly values of ΔX, ΔY, ΔF, and ΔI were computed by the following formulas:

Year	ΔX=	ΔY=
1936	1.00ΔH+0.45ΔD	7.16ΔD-0.063ΔH
1937	1.00ΔH+0.44ΔD	7.16ΔD-0.062ΔH
1938	1.00ΔH+0.43ΔD	7.16ΔD-0.060ΔH
1939	1.00ΔH+0.42ΔD	7.16ΔD-0.058ΔH
1940	1.00ΔH+0.41ΔD	7.17ΔD-0.057ΔH
1941	1.00ΔH+0.40ΔD	7.17ΔD-0.056ΔH
1942	1.00ΔH+0.39ΔD	7.18ΔD-0.055ΔH
1943	1.00ΔH+0.39ΔD	7.18ΔD-0.054ΔH
1944	1.00ΔH+0.38ΔD	7.19ΔD-0.053ΔH

Year	ΔF=	ΔI=
1936	0.433ΔH-0.902ΔZ	0.544ΔH+0.261ΔZ
1937	0.432ΔH-0.902ΔZ	0.544ΔH+0.261ΔZ
1938	0.432ΔH-0.902ΔZ	0.543ΔH+0.260ΔZ
1939	0.432ΔH-0.902ΔZ	0.543ΔH+0.260ΔZ
1940	0.432ΔH-0.902ΔZ	0.543ΔH+0.260ΔZ
1941	0.432ΔH-0.902ΔZ	0.542ΔH+0.260ΔZ
1942	0.432ΔH-0.902ΔZ	0.542ΔH+0.260ΔZ
1943	0.432ΔH-0.902ΔZ	0.542ΔH+0.259ΔZ
1944	0.432ΔH-0.902ΔZ	0.541ΔH+0.259ΔZ

The published values are rounded to the nearest one-tenth of a minute in ΔD and to the nearest gamma in ΔH, ΔX, ΔY, and ΔF.

On account of the small amplitude in the diurnal variation of inclination at Watheroo, and because the estimated reliability of the quantities ΔH and ΔZ warranted it, the values of ΔI were computed to 0′.01.

The annual means and the means for the three groups of four months each which are designated by the Roman numerals I, II, and III, representing the same grouping of months as discussed previously, were obtained from monthly values of ΔD and ΔZ before rounding and from the monthly rounded values of ΔH, ΔX, ΔY, and ΔF.

In each of the four selected groups of days, the monthly mean values of diurnal variation for all the elements are based on homogeneous data; that is, they are based only on those days in each group for which the records of all three elements D, H, and Z are complete.

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3. Bartels, J. 1943. Der magnetische charakter des jahres 1941. Terr. Mag., vol. 48, pp. 167-169.
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SUDDEN COMMENCEMENTS AND PRINCIPAL MAGNETIC STORMS, 1936-1944

The principal magnetic disturbances recorded on magnetograms at Watheroo in the years 1936 to 1944 are described in the following pages. Quarterly reports of disturbances were prepared by the observatory staff, and this form of presentation has been retained here. Greenwich mean time is used throughout. Outstanding magnetic storms are described in detail. "Sudden commencements" are noted and their magnitudes and principal movements recorded. To be classified as a sudden commencement, a movement must have been preceded by conditions quieter than those which followed and must have involved an abrupt movement in all three elements, with the outstanding one being an increase in H. In many cases the movements in D and Z were very small and were not recorded in detail. The principal disturbances appear in Table 417.

January to March, 1936

There were no magnetic disturbances of any intensity during the quarter. Three sudden commencements of moderate intensity were observed. The sudden commencement of February 14 began at 17h 23m when H increased 13γ in two minutes. On February 16 another sudden commencement took place at 18h 57m when H increased 36γ in three minutes. The next sudden commencement occurred on March 20, beginning at 02h 52m H increased only 8γ in the comparatively long period of eight minutes.

April to June, 1936

May 29.--A minor disturbance on May 29 began with a sudden commencement at 08h 48m. H increased 12γ in three minutes, 7γ of the increase taking place in the first half-minute. H then decreased 77γ to the minimum at 13h 32m and then increased 81γ to maximum at 21h 50m. Z increased 2γ abruptly, then 5γ in twelve minutes, followed by a disturbance in which Z had a range of 65γ with minimum at 13h 40m and maximum at 21h 50m.

May 30-31.--There was a minor disturbance which began with a sudden commencement at 17h 25m on May 30, followed by small irregular fluctuations during thirty-six hours.

June 1.--This sudden commencement began at 16h 45m. During the next four minutes H increased 17γ, and Z increased 11γ in three minutes. Slightly disturbed conditions continued to 21h June 2.

June 18-20.--A sudden commencement on June 18 began at 09h 41m, introducing a disturbance of moderate intensity. H increased 4γ abruptly, then 8γ in three minutes, and Z increased 3γ in one minute. The sudden commencement was followed by disturbances which ended about 07h, June 20. Range in H on June 19 was 207γ over ten hours, and the range in Z was 130γ.

July to September, 1936

July 2.--The disturbance recorded July 2 was of moderate intensity with definitely marked beginning at 01h 24m. The elements were at their greatest divergence from normal between 12h and 13h. The disturbance ended at about 20h. Ranges: D, 15′; H, 198γ; and Z, 137γ.

July 5-6.--A sudden commencement began at 02h 30m, July 5. H increased 6γ in the first half-minute and 18γ in the next eight minutes. D moved 0′.5 eastward at the beginning and 2′ westward during the next five minutes, and the numerical value of Z decreased 3γ during the first minute and increased 7γ in the next six minutes. The approximate time of ending was 18h, July 6. Ranges: D, 12′; H, 95γ; and Z, 80γ.

October to December, 1936

October 9-10.--A minor disturbance was ushered in by a sudden commencement at 07h 26m, October 9. Westerly D decreased 4′ in seven minutes, H increased 16γ in six minutes, and the numerical value of Z decreased 7γ in six minutes. The period of slightly disturbed magnetic conditions continued until 16h, October 10.

October 16-18.--A small disturbance without marked features lasted from 15h, October 16, to 14h, October 17. Ranges were: D, 19′; H, 127γ; and Z, 99γ. This disturbance was followed by another of low intensity on October 18 from 04h to 10h.

October 31.--This moderate disturbance began with a sudden commencement at 01h 23m, October 31. Westerly D decreased 2′ in one minute, followed by an increase of 6′ in four minutes, H increased 18γ in six minutes, and the numerical value of Z decreased 9γ in one minute, followed by an increase of 24γ in four minutes. The disturbance continued until 16h, October 31. Ranges: D, 24′; H, 147γ; and Z, 185γ.

November 28-29.--This storm began with a sudden commencement at 23h 37m, November 28. D increased 7′ during the first minute and dropped back about 3′ during the next minute. Movements in H were so rapid that the record was lost for the first three minutes. Z increased 30γ in three minutes. Ranges were: D, 29′; H, 191γ; and Z, 184γ. The disturbance ended at 16h, November 29.

December 27-28.--This disturbance began with a sharp impulse at 03h 28m, December 27. The elements continued slightly disturbed throughout December 27, increased to a moderate disturbance during the early hours of December 28, and died out rather suddenly at about 18h on that date. Ranges: D, 19′; H, 134γ; and Z, 149γ.

January to March, 1937

January 27.--There was a sudden commencement January 27 at 08h 36m. D moved 2′ eastward abruptly and swung back sharply, followed by a second movement of 1′ eastward during the next four minutes. H increased 25γ in three minutes with a further increase of 5γ in the next minute. The numerical value of Z decreased 9γ abruptly, followed by a further decrease of 16γ in five minutes. This disturbance of short duration had a range in H of 101γ, the ranges in D and Z being practically normal.

February 2-4.--This storm began with a moderately abrupt sudden commencement on February 2 at 23h 04m. D, after a small initial westerly motion, moved 3′ easterly during the next three minutes. H increased 15γ in the first minute, followed by a further increase at a slower rate. The numerical value of Z increased slightly

initially, then decreased 14γ by steps during the next three minutes. About an hour and twenty minutes after the sudden commencement, H began to decrease, reaching the minimum for the storm at about 08h, February 3. The storm ended at approximately 16h, February 4. Ranges: D, 23′; H, 174γ; and Z, 133γ.

February 18-20.--There was a minor disturbance with sudden commencement February 18 at 19h 04m. D, after a small initial westerly motion, moved 4′ easterly in three minutes. H increased 26γ in three minutes. The numerical value of Z, after a small initial increase, decreased 13γ in three minutes. The value of H remained high until midnight February 18, then dropped off slowly. Moderately disturbed conditions prevailed until 20h, February 20. Ranges: D, 21′; H, 77γ; and Z, 128γ.

February 21.--A sudden commencement occurred February 21 at 03h 26m. D, after a small initial westerly motion, moved 2′ easterly in three minutes. H increased 17γ in six minutes. The numerical value of Z decreased 5γ abruptly, then increased 8γ in three minutes. The elements were slightly disturbed until midnight.

February 24.--This sudden commencement began February 24 at 08h 11m. D moved westerly 1′ in one minute and H increased 13γ, then gradually fell off. Preceding the commencement, the numerical value of Z had been increasing with the normal diurnal change but at the sudden commencement Z decreased 4γ in five minutes, after which it continued its normal increase.

February 25.--The elements were slightly disturbed from 06h to 08h, February 25. An abnormally quiet interval followed, broken by a sudden commencement at 11h 42m. D moved 1′ easterly, then 2′ westerly, and finally 2′ easterly, in a space of eight minutes. H, after a slight initial decrease, increased 24γ in three minutes then fell off 12γ in the next five minutes. The numerical value of Z decreased 5γ, increased 5γ, and decreased 5γ, all in eight minutes. The disturbance was of short duration.

March 13-16.--This storm began with a slight disturbance about 16h 20m, March 13, increased in intensity about 08h, March 15, and faded out to a normal trace about 02h, March 16. Ranges: D, 19′; H, 161γ; and Z, 177γ.

March 26-28.--This disturbance began with a sudden commencement March 26 at 20h 56m. D moved abruptly 1′ westerly and then moved 3′ easterly in three minutes. H increased 15γ in three minutes. The numerical value of Z increased 2γ abruptly and then decreased 13γ in about three minutes. The sudden commencement was followed by a disturbance which reached its maximum intensity about 12h on March 27 and which ended about 12h on March 28. Ranges: D, 17′; H, 111γ; and Z, 144γ.

March 31.--A sudden commencement occurred March 31 at 03h 17m. D moved 3′ westerly in four minutes and H increased 20γ in six minutes. The numerical value of Z increased 7γ abruptly and then decreased 14γ in four minutes. The disturbance which followed was of short duration and the ranges were: D, 16′; H, 157γ; and Z, 118γ.

April to June, 1937

April 24-25.--A sudden commencement occurred at 12h 01m, April 24. D moved 1′ eastward, then 3′ westward in three minutes, H increased 28γ in three minutes, and the numerical value of Z decreased 5γ, then increased 8γ in three minutes. Following the sudden commencement, the elements were at first slightly disturbed, then increasingly disturbed until 22h. They returned to normal by 08h, April 25. Ranges: D, 12′; H, 140γ; and Z, 66γ.

April 25-26.--This moderate disturbance began with a sudden commencement at 15h 48m, April 25. D moved westerly slightly, then 2′ easterly in four minutes; H increased 39γ in three minutes, and the numerical value of Z decreased 19γ in three minutes. The disturbance increased slowly, reaching storm-intensity between 19h and 20h; the elements remained severely disturbed during the next six hours. The disturbance then decreased in intensity, reaching moderately quiet conditions about 08h, April 26. Ranges: D, 23′; H, 92γ; and Z, 150γ.

April 26-30.--This storm was ushered in by a sudden commencement of marked intensity at 17h 55m, April 26. D moved 3′ westerly, then 8′ easterly in two minutes; H increased 49γ in two minutes; and the numerical value of Z increased 11γ, then decreased 47γ in two minutes. The disturbance, of storm-intensity in the beginning, decreased to character "1" soon after 00h, April 27. At 08h, April 27, slight disturbance remained. During this part of the storm ranges were: D, 40′; H, 209γ; and Z, 216γ. Shortly after 08h, April 27, the intensity of the disturbance increased, reaching character "1" by 19h and character "2" by 01h, April 28. Storm-conditions prevailed until 18h, April 28. Moderately disturbed conditions continued through April 29 and 30. Ranges during the part of the storm on April 27 and 28 were: D, 29′; H, 206γ; and Z, 181γ.

May 28.--There was a sudden commencement at 01h 51m, May 28. D suddenly moved 1′ westerly, then 3′ easterly in about forty seconds, followed by a movement of 5′ westerly in two minutes. H suddenly increased 5γ, then decreased 17γ in about forty seconds; these movements were followed by an increase of 18γ in two minutes. The numerical value of Z suddenly increased 4γ, then decreased 13γ in about forty seconds, then increased again 20γ in three minutes.

June 10.--A sudden commencement occurred at 05h 05m, June 10. D moved 2′ westerly abruptly, then 5′ easterly during the next five minutes. H increased 9γ abruptly; during the next six minutes there was little change and then a further increase of 32γ. The numerical value of Z increased 4γ and then decreased 32γ in five minutes. All the elements returned to normal activity after three hours had elapsed.

July to September, 1937

July 19.--In a sudden commencement on July 19 at 12h 53m, D moved easterly 1′ and returned to normal in two minutes. Then, after an interval of twelve minutes, a slow westerly movement began, the total change being 4′ in the following fourteen minutes. H increased 27γ in four minutes, then remained high and undisturbed. The numerical value of Z abruptly decreased 6γ, then increased 4γ, followed first by a slow decrease of 15γ in twelve minutes and then an increase of 20γ in fifteen minutes.

July 23-26.--There was a sudden commencement at 05h 01m, July 23. D moved westerly 1′ in two minutes, then easterly 2′, returning to normal at 05h 11m. H increased 10γ in five minutes, then slowly fell off 35γ

in an hour. The numerical value of Z increased 4γ in two minutes, followed by a decrease of 12γ in the next six minutes. Disturbed conditions prevailed up to 12h, July 26.

August 22.--This storm began with a sudden commencement at 03h 06m, August 22. D moved westerly 2′ in one minute, H increased 22γ in five minutes, and the numerical value of Z decreased 4γ abruptly and then increased 9γ in two minutes. Minima in D, H, and Z occurred at 09h 41m, 09h 53m, and 07h 19m, respectively. Maxima in D and H occurred at 12h 36m and 03h 12m, respectively, and in Z at 11h 00m. The storm ended at 22h. Ranges: D, 25′; H, 324γ; and Z, 231γ.

September 30-October 1.--There was a sudden commencement at 13h 46m, September 30. D moved easterly 1′ in one minute followed by disturbed conditions and gradual westerly movement of 10′ in four hours. H increased 2γ abruptly and then decreased 5γ in two minutes, followed by an increase of 22γ during the next two minutes. The numerical value of Z abruptly decreased 5γ followed by a further decrease of 7γ in eight minutes. Moderate storm-conditions prevailed until 14h, October 1. Ranges: D, 15′; H, 144γ; and Z, 149γ.

October to December, 1937

October 1.--Between 03h 46m and 03h 49m, October 1, echoes from the ionosphere faded out at Watheroo. Observations with the spectrohelioscope were started at 04h 00m and it was found that a solar eruption in a large sunspot-group (approximate position, 12° south, 35° east) had begun after the end of the regular solar observing period at 03h 40m. The magnetic records showed a decrease of 56γ in Z, and increase of 11γ in H, and a decrease of 5′ in D during the eruption. The disturbance of magnetic elements lasted some ten to fifteen minutes.

October 9-11.--A moderate storm began at 06h 35m on October 9 with a small sudden commencement in all elements. D moved easterly 2′ in four minutes, while H increased 12γ, and Z decreased 9γ in the same period. Small rapid fluctuations followed in all elements until 19h. A pronounced trough appeared in H between 11h and 19h, with both D and Z also quite disturbed. After a quiet period, a pronounced trough occurred in H from 05h to 13h, October 10. Following a second quiet period, H showed large rapid fluctuations from 13h to 16h, October 11. The disturbance ended about 21h, October 11. Ranges: D, 19′; H, 187γ; and Z, 144γ.

November 29-December 1.--A sudden commencement occurred at 11h 42m, November 29. D moved easterly 2′ then westerly 2′ during two minutes. H increased 35γ in three minutes and then decreased irregularly 55γ during the next two hours. The numerical value of Z decreased 5γ abruptly, then increased 7γ during the next two minutes, followed by a further decrease of 10γ in five minutes, and then increased irregularly 35γ during the next two hours. The elements were moderately disturbed until 12h December 1.

January to March, 1938

January 16-22.--This storm, beginning at 22h 30m, January 16, reached its greatest intensity on January 17 between 07h and 17h, when there were several large variations in each element. Ranges: D, 38′; H, 246γ; and Z, 254γ. Moderate activity continued until January 22.

January 22.--This severe storm, beginning at 02h 40m, January 22, was very active in all elements from 05h 20m to 12h 00m. The maximum value in H occurred at 06h 26m. After a conspicuous secondary maximum at about 09h, H decreased steadily, except for minor perturbations, to the minimum at 11h 35m. After this time all elements showed greatly reduced activity, and H and Z showed steady recovery toward normal values over the next ten hours. An aurora was visible from 13h 00m to 13h 30 m, this being unusual at this low latitude. The storm ended at 22h, January 22, though H was still somewhat low and Z somewhat high at this time. Ranges: D, 42′; H, 501γ; and Z, 475γ.

January 25-26.--This severe storm began with a sudden commencement at 11h 51m, January 25. D moved westerly 7′ in three minutes and then easterly 4′ in four minutes. H increased 69γ in two minutes, followed by a decrease of 34γ in four minutes. The numerical value of Z decreased 4γ abruptly, then increased 27γ in three minutes and decreased 27γ in three minutes. For seven hours after the commencement, all elements showed minor rapid perturbations, then H made a rapid excursion to very low values where it remained five hours. After 01h, January 26, H recovered steadily to nearly normal value by 12h. The storm ended about 18h, January 26. Ranges: D, 39′; H, 363γ; and Z, 246γ.

January 31.--A minor disturbance began with a sudden commencement at 19h 22m, January 31. D moved westerly 1′ abruptly, then 5′ easterly in three minutes. H increased 46γ in three minutes, and the numerical value of Z increased 6γ abruptly, followed by a decrease of 29γ during the next three minutes. Ranges during the ensuing four hours were: D, 10′; H, 77γ; and Z, 68γ.

April to June, 1938

April 13-14.--Following a sudden commencement at 11h 43m, April 13, D moved westerly 0′.5 suddenly, then 2′ in forty seconds and 5′ during the next three minutes. H increased 27γ in three minutes, followed by an abrupt decrease of 10γ and a further increase of 15γ. The numerical value of Z, after an initial increase of 2γ, decreased 8γ abruptly, followed by an increase of 20γ in three minutes. Disturbed conditions prevailed for twenty-four hours.

April 16.--This storm began as a sudden commencement at 05h 47m, April 16, but the record is unreadable on account of rapidity of motion. Scalings are somewhat uncertain between 07h and 09h. Apparently the H-spot went off the trace at 05h 50m, and the tabulated range in this element was obtained from the la Cour magnetograph. The storm ceased at 20h. Ranges: D, 38′; H, 418γ; and Z, 238γ.

June 7-8.--There was a sudden commencement at 22h 03m, June 7. D moved westerly nearly 1′ abruptly, then easterly 5′ in two minutes, and then westerly 4′ in five minutes. H increased 26γ in two minutes, remaining high and slightly disturbed. The numerical value of Z increased 3γ abruptly, then decreased 28γ in two minutes, followed by an increase of 12γ in four minutes. The traces were slightly disturbed for twenty-four hours.

June 12-13.--A moderate disturbance began with a sudden commencement at 17h 55m, June 12. D moved westerly 0′.5 abruptly, then easterly 3′ in two minutes.

H increased 20γ in three minutes. The numerical value of Z increased 3γ abruptly, then decreased 17γ in three minutes. The moderately strong disturbance continued during the next twenty-four hours.

July to September, 1938

July 9-10.--A sudden commencement occurred at 19h 51m, July 9. D, after a slight easterly movement, moved westerly 2′ in four minutes. H increased 14γ in five minutes, and Z, after a slight numerical increase, decreased 13γ in four minutes. Moderately disturbed conditions prevailed for twenty-four hours.

August 3-4.--A very conspicuous sudden commencement occurred at 21h 35m on August 3. D moved westward 2′ in one minute and then eastward 7′ in two minutes; H increased 24γ in one minute and then decreased 12γ in four minutes; Z decreased, numerically, 32γ in four minutes. These movements were followed by moderate departures from normal in all three elements, over a period of two hours, after which only minor perturbations occurred until the end of the disturbance at 22h, August 4. During the period 05h to 13h on August 4, H was considerably lower than normal.

August 11.--At 03h 22m on August 11, a small sudden commencement occurred in all three elements. D moved eastward 1′ in one minute, then 3′ westward in two minutes; H increased 12γ in two minutes; and Z first decreased, numerically, 4γ in one minute and then increased 10γ in two minutes. After the commencement there was no activity for six hours but after 09h H began to decrease, falling to low values which extended over 12h to 16h. Z, during the latter period, showed moderately high values. The disturbance was ended by 22h, August 11. Ranges: D, 18′; H, 156γ; and Z, 178γ.

August 22-23.--Following a sudden commencement at 13h 54m, August 22, D moved eastward 2′ in two minutes and then westward 2′ in three minutes; H increased 36γ in three minutes; and the numerical value of Z decreased 15γ in two minutes and then slightly increased. The traces were slightly disturbed for seven hours after the commencement, were quiet for the next seven hours, and were again slightly disturbed between 04h and 15h on August 23.

September 13-15.--Following a sudden commencement at 18h 36m, September 13, D moved easterly 3′ in four minutes, followed by a gradual westerly movement in the next twenty minutes. H increased 51γ in four minutes, followed by a gradual increase during the next hour, and the numerical value of Z decreased 23γ in four minutes, followed by a gradual increase in the next four hours. The traces were moderately disturbed until 02h, September 15, by minor peaks and troughs, after which greater activity occurred with generally depressed values of H and increased values of Z. Ranges: D, 34′; H, 236γ; and Z, 214γ. The disturbance ended at 22h, September 15.

September 26.--There was a sudden commencement at 07h 23m, September 26. D, after a sudden westerly movement of 0′.4, moved easterly 3′ in six minutes, followed by rapid fluctuations. H, after a sudden decrease of 3γ, increased 25γ in three minutes, followed by a decrease with small fluctuations during the next five hours. The numerical value of Z, after an increase of 1γ, decreased 14γ in five minutes and there was a gradual increase during the next six hours. Until about 21h, the traces were disturbed with moderately large fluctuations of long period. Ranges: D, 22′; H, 117γ; and Z, 165γ.

September 27-28.--Following a sudden commencement at 22h 02m, September 27, D, after a sudden westerly movement of approximately 2′ moved easterly 9′ in four minutes; H increased 54γ in three minutes and decreased sharply in the next eleven minutes; and the numerical value of Z, after a sudden increase of 4γ, decreased 49γ in three minutes. Moderately disturbed conditions followed, with H experiencing a marked decrease while undergoing small and rapid fluctuations. The disturbance ended at 14h, September 28. Ranges: D, 29′; H, 174γ; and Z, 148γ.

September 30-October 1.--Following a sudden commencement at 10h 20m, September 30, D moved 2′ easterly suddenly and then 4′ westerly in two minutes, H increased 20γ in one minute, and the numerical value of Z decreased 7γ suddenly and then increased 14γ in two minutes. Mildly disturbed conditions prevailed during the next twenty-three hours, except in the three-hour period from 03h to 06h on October 1, when H experienced a large decrease of approximately 160γ.

October to December, 1938

October 7-8.--At 06h 14m on October 7, a moderate disturbance began with small abrupt changes in all three elements. Thereafter, slow oscillations of moderate amplitude were superimposed on larger irregularities in all elements. In H, a steady decrease occurred from the commencement until 16h, after which this element remained lower than normal until the end of the disturbance at about 15h, October 8. Ranges: D, 23′; H, 181γ; and Z, 194γ.

December 9-11.--This moderate disturbance began gradually at about 12h, December 9, with greatest activity from 12h to 24h, December 10. The activity was much less on December 11. Ranges: D, 19′; H, 90γ; and Z, 136γ.

December 16-23.--This very moderate disturbance began at 07h 40m, December 16. Its most disturbed period was from 12h to 20h, December 18. Only slightly disturbed conditions followed, the elements returning to normal by the close of December 23. The daily range in D was quite normal throughout the entire period, the maximum range being 19′, the minimum falling on December 17 and the maximum on December 18. H-values remained low through December 22, with a range of 127γ for the storm. The range in Z for the period of the storm was 116γ, the maximum falling on December 18 and the minimum on December 19.

January to March, 1939

February 5-6.--A moderate disturbance began with a sudden commencement in all three elements at 19h 50m, February 5. The temporary lull in activity which occasionally follows a sudden commencement lasted until 09h, February 6; thereafter, until the end of the day, all three traces were moderately disturbed, the maximum activity being shown between 13h and 15h. Throughout the disturbance, the movements were of the "peak" and "trough" type rather than rapid fluctuations of short period. Ranges: D, 25′; H, 130γ; and Z, 175γ.

February 23-25.--The first sign of activity of this disturbance was at 12h 46m, February 23, when there was a small sudden commencement distinctly shown in

all elements. The traces thereafter were practically normal until 03h 43m, February 24, when again the elements showed a small sudden movement, but in the opposite sense to that usually seen in a sudden commencement. Thereafter the traces were slightly disturbed until 17h 06m, February 24, when a large movement of the true sudden commencement type occurred, the excursion of the H-spot being particularly violent with a sudden increase of 55γ. Immediately thereafter, the major activity of the storm began and continued with small short-period fluctuations superimposed on peaks and troughs until the traces resumed their normal tranquillity at 23h, February 25. Ranges: D, 29′; H, 273γ; and Z, 200γ.

April to June, 1939

April 16-19.--The disturbance began with movements in all elements at 21h 29m, April 16. During a period of five minutes, D moved easterly 2′ and the numerical value of Z decreased 10γ; in a period of four minutes, H increased 16γ. The period until 01h 57m, April 17, was comparatively undisturbed, at which time there was a typical sudden commencement in all elements; D moved easterly 3′, H increased 32γ, and the numerical value of Z decreased 14γ. The traces were then moderately disturbed until 24h, April 17, followed by a disturbance of milder character until 22h, April 19. Ranges: D, 32′; H, 273γ; and Z, 194γ.

April 23-26.--A long period of magnetically disturbed conditions began at 05h 45m, April 23, with a sudden commencement in all elements; D moved easterly 5′, H increased 38γ, and the numerical value of Z decreased 36γ. Movements of moderate amplitude ensued, conditions becoming practically normal by 16h, April 24. At 17h 35m, April 24, disturbed conditions began which were initiated by movements of large amplitude, which, however, were too leisurely to be classed as "sudden," In a period of fifteen minutes, D moved easterly 13′, H increased 105γ, and the numerical value of Z decreased 82γ. Fairly large movements followed, these fluctuations gradually becoming smaller in amplitude and shorter in period until 00h, April 25, when during a period of six hours there was a succession of short-period oscillations with normal values in all elements. The average period of these oscillations was somewhat less than sixty seconds. There was a brief disturbed period between 11h 37m and 12h 15m, April 25, conditions returning to normal at 01h, April 26. Ranges: D, 37′; H, 282γ; and Z, 203γ.

May 1-2.--This magnetic disturbance began at 06h 42m, May 1, with slow sudden-commencement movements. A period of irregular oscillations followed which had moderate amplitude. The disturbance gradually subsided between 17h and 24h, May 2. Ranges: D, 18′; H, 122γ; and Z, 142γ.

June 14.--This very moderate disturbance, of short duration, began with a small sudden commencement in all three elements at 00h 07m, June 14, when westerly D increased 2′, H decreased 11γ, and the numerical value of Z increased 9γ. During the following seven hours, the elements were only slightly disturbed, but at 07h 15m there was a second sudden commencement of greater amplitude, when westerly D increased by 2′, H decreased 36γ, and the numerical value of Z increased 20γ. For four hours thereafter, the movements were moderately large, the maximum activity occurring between 09h and 12h. After this time conditions became more quiet and the elements had regained their normal values by 16h. Ranges: D, 15′; H, 184γ; and Z, 131γ.

July to September, 1939

July 21.--A small disturbance of short duration began with a sudden commencement at 09h 57m, July 21, when westerly D decreased 2′; H increased 22γ, and the numerical value of Z decreased by 6γ. Rather rapid fluctuations with moderate amplitude ensued. However, normal magnetic conditions were resumed by 18h. Ranges: D, 10′; H, 121γ; and Z, 80γ.

August 11-13.--The actual commencement of this disturbance was probably at 12h 13m, August 11, when a very sudden commencement was shown in all elements. H increased by 3γ, the numerical value of Z decreased 2γ, and D moved easterly 0′.3. For the ensuing thirteen and one-half hours, the traces were only slightly disturbed, but at 01h 40m, August 12, a large and sudden movement was recorded; H increased 25γ, the numerical value of Z increased 7γ, and D moved westerly 9′. After that time the rapidity and intensity of the movements in all elements increased, culminating in a conspicuous peak at about 11h 24m, August 12. The movements then moderated and the storm ended at 20h, August 13. Ranges: D, 28′; H, 221γ; and Z, 145γ.

August 22-23.--The storm began with a sudden commencement at 00h 40m, August 22. H increased 20γ, the numerical value of Z increased 26γ in steps, and D moved very suddenly eastward 3′. Fairly lively movements ensued, and the greatest activity appeared in the period from 12h to 16h, August 22, when Z exceeded the limit of registration. From 16h, the movements were more leisurely though still of considerable amplitude. Normal conditions resumed at 19h, August 23. Ranges: D, 35′; H, 233γ; and Z, 217γ.

October to December, 1939

October 13-15.--A disturbance of moderate intensity began with a sudden commencement at 02h 04m, October 13. Sudden changes occurred in which westerly D increased 6′; H increased 20γ; and the numerical value of Z increased 24γ. During the next half-hour very rapid fluctuations of moderate amplitude occurred, after which the movements were more subdued, almost calm conditions prevailing between 11h and 14h, October 13. After this time, the movements became much more irregular and of larger amplitude, the minimum value in H being reached at 03h 40m, October 14. The period of greatest activity was from 09h to 15h, October 14. A quieter period of nine hours followed after which there were eight hours of considerable activity, the most disturbed portion of this period being from 03h to 08h, October 15. From that time the elements quickly resumed their normal values. Ranges: D, 34′; H, 253γ; and Z, 234γ.

January to March, 1940

January 3.--A short disturbance of moderate intensity began at 06h 39m, January 3, with sharp movements in all three elements. H increased 15γ, D moved easterly somewhat less than 1′, and the numerical value of Z decreased 3γ. Following the sudden commencement,

there was a comparatively quiet period lasting almost exactly eight hours. At 14h 40m H increased suddenly by 42γ while the other two elements barely showed a change. Wide fluctuations occurred shortly afterward in all the elements and lasted for about three hours, after which time the traces were only slightly disturbed until 24h. Ranges: D, 21′; H, 184γ; and Z, 110γ.

March 23-28.--This disturbance, of major importance, began at 06h 16m, March 23, with rather sudden movements in all three elements, H increasing by 27γ, the corresponding movements in Z and D being quite small. Apart from a brief period of activity between 09h 10m and 09h 20m on the same day, the traces were only moderately disturbed during the ensuing thirty hours; an interesting feature, however, was the increasing rapidity of the fluctuations, though of small amplitude, after 00h, March 24. At 13h 49m, March 24, the main activity of the storm was heralded by a sudden commencement, where H increased by 55γ, the numerical value of Z decreased by about 7γ and westerly D decreased by about 2′. Thereafter the fluctuations became so violent that some of the movements were too rapid to record; it is probable, however, that the maximum intensity of the disturbance was at about 01h, March 25, when H reached a value about 500γ lower than the normal, this representing a decrease of over two per cent in the force. These rapid and violent fluctuations continued until about noon, March 25, after which the activity was very much reduced and without any noteworthy feature except for a pronounced trough at 19h 30m, March 26. Throughout March 27 and 28, the traces were slightly disturbed but were gradually resuming their normal values. The aurora was observed in and around Perth at intervals between 17h and 20h, March 24. Ranges: D, 45′; H, 685γ; and Z, indefinite, but greater than 300γ.

March 29-April 1.--This disturbance, of more than moderate intensity, may probably be considered to be a later phase of the one which is described above and which subsided before 24h, March 28. There were signs of increasing activity in the curves after 09h, March 29, with a prominent trough at 12h 18m. At 16h 03m, March 29, there appeared what would normally be considered a sudden commencement, H increasing very suddenly 66γ. The next feature was a succession of peaks and troughs between 17h 39m and 19h 00m on the same day, during which D covered a range of 35′. During this time the value of H began to decrease and reached a minimum value at 04h 37m, March 30, 355γ below the normal. The traces continued to be moderately disturbed through March 31 and it was not until 21h, April 1, that they resumed their normal characters. Ranges: D, 53′; H, 319γ; and Z, 333γ.

April to June, 1940

April 2-4.--This moderate disturbance was probably a continuation of the magnetic storm previously reported as having ended at 21h, April 1. No sudden commencement was evident and the traces gradually became disturbed after 16h, April 2. The main activity was shown between 01h and 08h, April 3, when the movements were of moderate amplitude and rather rapid fluctuations were the principal features. A further brief period of activity occurred about 20h, April 3, this phase lasting only about thirty minutes. After this time the traces gradually resumed their normal appearance, quiet conditions being regained by 18h, April 4. Ranges: D, 15′; H, 226γ; and Z, 94γ.

April 25-26.--A moderate disturbance began with a sudden commencement shown in all three elements at 02h 03m, April 25. H increased 20γ in six minutes, Z increased 11γ, and westerly D increased 3′. Thereafter the fluctuations were of a rapid type and of small amplitude, except in H which showed a large trough between 02h and 06h, the maximum depression of H occurring at 04h 16m when the force was 140γ less than that prevailing before the disturbance. The variations in the elements after 06h, April 25, were quite moderate and do not merit detailed description but normal conditions were not resumed before 21h, April 26. Ranges: D, 20′; H, 167γ; and Z, 101γ.

May 23-24.--This small disturbance began at 17h 53m, May 23, with a sudden commencement shown in all three elements. H increased 29γ in three minutes, Z decreased 23γ, and westerly D decreased 4′. A quiet period followed, but at 03h, May 24, sweeping movements began which continued until 21h on the same day, after which normal conditions were resumed. Ranges: D, 14′; H, 161γ; and Z, 110γ.

June 25-26.--This moderate disturbance began abruptly at 02h 53m, June 25, although the traces for the preceding twenty-four hours had been slightly irregular. The sudden commencement was shown in all three elements and the initial movement was so rapid that, in the case of H and Z, it failed to record itself on the photographic trace. However, the extent and direction of the impulse are worthy of note; H decreased 27γ, Z increased 24γ, and westerly D increased 6′. These movements were in each case in the opposite sense to those usually experienced at Watheroo at the commencement of a magnetic storm. Another unusual feature of the disturbance was that rapid fluctuations of considerable amplitude followed immediately on the initial impulse and continued for about forty minutes, the range in H during this time amounting to 126γ. For the ensuing six hours, the movements were still of short period, but of small amplitude until at 10h, June 25, large sweeping changes in the elements prevailed, continuing thus until 20h. From that time on, until 07h, June 26, the movements were small but rapid and disturbed conditions had ceased by 08h, June 26. Ranges: D, 32′; H, 240γ; and Z, 198γ.

July to September, 1940

July 13-14.--This very moderate disturbance began with small, sharp movements in all three elements at 08h 00m, July 13. The initial impulse was not as abrupt as those usually classed as sudden commencements, since it took but three minutes for completion; nevertheless, the impulse undoubtedly marked the beginning of the storm. The only noteworthy feature of the disturbance was a large increase in westerly D between 12h 14m and 12h 28m, July 13, amounting to 16′. Slightly disturbed conditions prevailed until 18h, July 14. Ranges: D, 20′; H, 124γ; and Z, 124γ.

September 25-29.--This disturbance, of comparatively long duration, was, taken as a whole, of only moderate intensity but there were some noteworthy features. The extent of the activity was somewhat disappointing considering the abruptness and magnitude of the early movements. The course of the disturbance was as follows: From 15h 42m to 15h 50m on September 25 there was a series of rapid fluctuations of very small amplitude (about 3γ in H). The period of these fluctuations was

shown by the la Cour magnetograph to be about seventy-five seconds. At 16h 41m on the same day, similar fluctuations occurred but in this case the values of the elements were also rapidly changing so that by 17h 00m H increased 61γ, Z decreased 39γ, and westerly D decreased 5′. This movement had the general appearance of a modified sudden commencement but was more probably closely associated with solar activity which, however, owing to the time of occurrence was impossible to observe at Watheroo. The usual quiet period ensued and twenty-five hours after the initial movement, at 17h 03m on September 26, the sudden commencement of disturbed conditions of the Earth's magnetic field occurred. This movement was of unusually large amplitude and of great suddenness, particularly in H (within two minutes H had increased 76γ; Z decreased during the same period 16γ). For eleven hours following this commencement the traces were disturbed, but not unduly so. There was a trough in H centering at 18h 04m, and in Z at 18h 17m on September 27, but apart from this the traces throughout September 27, 28, and 29 were only very moderately disturbed. A further trough occurred in H centering at 14h 06m, and in D and Z at 14h 00m on September 29, and this marked the conclusion of the disturbance as the traces thereafter show their normal diurnal variations. Ranges: D, 16′; H, 205γ; and Z, 89γ.

October to December, 1940

November 12-13.--This small disturbance began at 07h 06m, November 12, with a small sudden commencement. The traces until 17h, November 13 were disturbed but at no time were the movements of any great amplitude. The most active period of this storm was between 16h, November 12, and 07h, November 13. Ranges: D, 15′; H, 143γ; and Z 109γ.

December 30-31.--At 04h 25m, December 30, there was a small sudden commencement. Traces were only slightly disturbed, with no noteworthy features, for the following eighteen hours. At 22h 17m, December 30, the movements became more rapid, but still were of small range. This phase lasted until 06h, December 31, when a quiet period of three hours followed. Thereafter, the movements gradually increased in amplitude. The largest swing occurred between 14h 27m and 15h 00m; this wave gave H the maximum range of the whole disturbance. The traces quieted after 16h, December 31, and by 19h normal conditions again prevailed. Ranges: D, 20′; H, 83γ; and Z, 91γ.

January to March, 1941

January 3-4.--A small magnetic disturbance began with a sudden commencement at 15h 43m, January 3. A quiet period of eleven hours ensued, after which the traces were mildly disturbed.until normal conditions resumed at 12h, January 4. Ranges: D, 11′; H, 57γ; and Z, 52γ.

January 24.--During somewhat disturbed conditions which prevailed on January 24, there was one noteworthy feature. Between 12h and 14h there was a wave of large amplitude in all three elements. In H the movement began at 12h 20m with a trough which reached its minimum at 12h 42m and then rose sharply to a peak at 12h 59m, then gradually falling to approximately normal value by 13h 50m. Ranges: D, 21′; H, 106γ; and Z, 145γ.

March 1-2.--This major magnetic disturbance began with a sudden commencement in all three elements. At 03h 57m, March 1, H almost instantaneously increased 19γ and almost immediately after returned to approximately its former value. At 03h 55m, westerly D decreased 2′ and immediately afterward increased 8′. At 03h 56m, the numerical value of Z decreased 8γ and immediately afterward increased 29γ. Within one and one-half hours after this sudden commencement, the traces became violently disturbed. By 08h, westerly D had decreased to about 40′ below its normal value. H, by a series of rapid movements, had also diminished and Z had so increased that by 10h 20m it had reached the limits of registration. After 13h 30m the fluctuations in all three elements became still more violent and the Z-spot passed beyond the limits of registration between 15h 30m and 17h 10m. At 16h 14m, H reached a minimum value 520γ below normal and westerly D at 17h 06m showed a value 36′ above normal. At 19h the storm suddenly moderated very considerably and from then on the movements of the traces gradually subsided. Although it was difficult to designate a definite time for the end of the storm, since the ensuing three or four days were all slightly disturbed, the traces had more or less regained their normal recording positions by the end of March 2. Ranges: D, 77′; H, 664γ; and Z, more than 450γ.

March 13-14.--During the magnetically disturbed conditions which prevailed during the twenty-four hours beginning at 16h, March 13, there was a period of activity between 12h and 13h, March 14, which merits notice. Between 12h 13m and 12h 33m, H increased 116γ and then, by 12h 49m, decreased 79γ. Between 12h 20m and 12h 37m, westerly D decreased 18′ and then increased 10′ by 12h 49m. Between 12h 20m and 12h 27m the numerical value of Z decreased 133γ, and by 12h 50m had increased 70γ. Ranges: D, 22′; H, 159γ; and Z, 112γ.

March 28-31.--Soon after 00h, March 28, the traces became moderately disturbed, all three elements showing long, sweeping fluctuations, the greatest activity being between 09h and 16h, March 28. During March 29 the disturbance moderated somewhat, although the day was by no means quiet. These conditions continued until 10h, March 30, when the activity again became more pronounced. At 16h 37m, March 30, there was a very sudden large increase in H of 58γ, of the type usually associated with a sudden commencement. Sharp movements were also shown in the D- and Z-traces, but of much smaller amplitude. The traces continued to be disturbed, between 01h and 08h, March 31, the movements being of short period and small amplitude. Between 10h 20m and 12h, March 31, there was a series of waves of large amplitude (the range in H over this period being of the order of 120γ) and a similar series though much smaller between 17h 10m and 17h 30m. After this time normal conditions were rapidly resumed and by 24h, March 31, the traces were again quiet. Ranges: D, 34′; H, 229γ; and Z, 224γ.

April to June, 1941

April 24-25.--A small magnetic disturbance began with a sudden commencement in all three elements at 07h 20m, April 24. For the following twenty-four hours the traces were only moderately active, the most important features being: (a) a gradual decrease of H between

08h 30m and 09h 40m of 134γ; (b) a small rapid double oscillation shown in all three elements at 13h 30m. By 08h, April 25, the traces had regained their normal characteristics. Ranges: D, 23′; H, 145γ; and Z, 144γ.

July to September, 1941

July 4-7.--This disturbance of unusual severity began at 03h 42m, July 4, with sudden small movements followed by irregular, but relatively small, fluctuations in the traces. These conditions lasted until 04h 59m, July 5, when sudden impulses were recorded in all three elements and the traces immediately became violently disturbed, remaining so until 16h. During this period H decreased to a value of 530γ below normal. The greatest sudden change in the interval was between 14h 07m and 14h 33m when H increased 285γ. Between 14h 23m and 14h 33m westerly D decreased 63′, which was practically the total range in D during the whole disturbance. Z increased to such values between 08h and 15h that they were beyond the limits of registration for the greater part of the time. Although the violence of the disturbance had abated by 16h, July 5, and H had gradually regained its normal value, the traces continued to be moderately disturbed as follows: 20h to 22h on July 5, 13h to 16h on July 6; and 00h to 05h on July 7. The disturbance ceased at 21h, July 7. Ranges: D, 65′; H, 565γ; and Z, 411γ. A brilliant display of the Aurora Australis was visible at the observatory during the evening of July 5. At 10h 30m (18h 30m 120° EMT), an hour after sunset, a bright glow was seen on the southern horizon; it gradually became more pronounced and by 11h 50m had developed into an arch spreading from south-southeast to south-southwest and about 35° above the horizon at its highest part. At 12h 10m the arch was at its brightest and was tinged with red at its eastern and western extremities. Brilliance then diminished slightly and by 12h 30m had almost disappeared, although the general glow still persisted. Between 14h and 14h 30m the glow, still visible, was varied by the appearnce of luminous vertical shafts changing rapidly in range, intensity, and position. This display continued until after 14h 40m after which time only the glow was observed, and this gradually faded. The whole display would have been even more imposing but for the presence of the nearly full Moon.

August 4-5.--This storm of moderate intensity began with a sudden commencement in all three elements at 01h 27m, August 4. The following nine hours were only slightly disturbed, the fluctuations being of short period and small amplitude. Between 11h and 12h large troughs occurred in all elements and even larger troughs between 14h and 15h, the ranges during the latter hour being almost as great as the total ranges during the whole disturbance. After 15h the changes were of a more gradual type and the disturbance slowly subsided by 03h, August 5. Ranges: D, 27′; H, 168γ; and Z, 195γ.

September 18-19.--This disturbance of considerable intensity showed some unusual characteristics. There was a small sudden commencement in H at 04h 10m, September 18, and the other two elements showed very small movements at the same time. H began to rise, at first slowly, then more quickly, and by 04h 50m all elements were undergoing rapid movements. At 05h 19m, H attained its maximum value, being 115γ above its normal value. The H-trace then showed a steady decrease with superimposed small-amplitude pulsations of about two-minute period, and similar small pulsations were shown by the D- and Z-traces. Between 09h and 10h a large trough was shown by all three elements, and soon afterward westerly D increased and decreased 47′ in twenty-five minutes, and Z increased in numerical value 149γ, the recording spot leaving the sheet. D showed similar large movements throughout the rest of the day. During the second half of September 18, H decreased steadily with two sharp peaks at 15h 40m and 19h 35m. Both these movements were duplicated by sudden decreases in Z, but after 19h 35m, Z continued at a low value, reaching its minimum of 189γ below normal at 20h 41m. Although H continued to decrease, Z showed only a comparatively small increase during the rest of the storm. At 02h 40m, September 19, there was a sudden movement in all three elements which started a deep and almost symmetrical trough in H during which it reached its minimum value at 04h 31m, a value about 581γ below normal. This was twenty-four hours after the commencement of the storm. From this minimum H began to return to its normal value, at first rising quickly, then more slowly. From 10h to the end of the day the traces were only slightly disturbed except for a moderately-sized bay between 21h and 23h. The disturbance was accompanied by a clearly visible display of the Aurora Australis, which was characterized by white streamers usually of short duration and a general pale glow in the southern sky. Ranges: D, 73′; H, 684γ; and Z, 429γ.

October to December, 1941

October 31-November 1.--This moderate disturbance began with a small sudden commencement at 03h 40m, October 31. The movements thereafter were of no great amplitude until 17h when they gradually became more pronounced. The value of H decreased markedly after 22h. The fluctuations remained moderately active but nothing of importance was recorded until 10h, November 1, when a double trough of about one hour's duration occurred in all three elements. The double trough was repeated on a smaller scale between 13h 40m and 14h 50m on the same day. The traces rapidly became normal after 16h, November 1. Ranges: D, 20′; H, 171γ; and Z, 149γ.

November 27-28.--This small disturbance began with a slight sudden commencement at 03h 41m, November 27, which was recorded by all three elements. The traces were very slightly disturbed during the ensuing twenty-one hours. After 01h, November 28, the value of H began to decrease gradually. A minimum value was reached at 10h 01m, the traces up to this time being only slightly disturbed. The other feature of the disturbance was a period of activity between 18h 44m and 19h 32m when some fairly large and sharp peaks and troughs occurred. The traces resumed their normal character at 20h, November 28. Ranges: D, 19′; H, 149γ; and Z, 141γ.

December 1-2.--This moderate disturbance began with a well-defined sudden commencement at 05h 59m, December 1, when H suddenly increased 25γ, the numerical value of Z decreased 19γ, and D moved easterly 3′. The traces immediately became active, the fluctuations being rapid and of moderate amplitude. These conditions prevailed until about 14h, after which the movements were more leisurely. Between 16h 00m and 16h 10m there were large and fairly sudden changes

in all three elements, but after that time the disturbance gradually subsided and the traces resumed their normal character at 07h, December 2. Ranges: D, 30′; H, 147γ; and Z, 199γ.

January to March, 1942

March 1-2.--This was a moderately severe storm of short duration, which was chiefly noteworthy for the violence of the opening phases. A sudden commencement at 07h 26m, March 1, was shown in all three elements but the initial movements of the magnets were so rapid that the amounts and directions of motion cannot be assigned with any certainty; indeed, so rapidly did H vary that the spot was invisible until the lamp-slit was widened when the disturbance was first noted at 08h 20m. The maximum intensity of the disturbance occurred between 09h and 11h, but the next ten hours were also severely disturbed. The elements continued to be generally disturbed until 09h on March 2. Ranges: D, 36′; H, 252γ; and Z, 198γ.

April to June, 1942

April 2-4.--This very moderate disturbance began at 04h 38m, April 2, with small, abrupt changes in all three elements, not, however, of the type usually designated a sudden commencement. Slow, irregular oscillations in all three elements followed, continuing until about 21h, April 2, with H considerably depressed from 08h to 21h. Thereafter, all elements became less active until 05h on April 4, after which time the greatest activity of this disturbance occurred. There were several peaks and troughs of considerable magnitude between 05h and 20h on April 4, the disturbance ending very quickly in a series of minor movements by 22h on this date. Ranges: D, 21′; H, 140γ; and Z, 147γ.

April 10-11.--A brief disturbance began at about 23h 00m on April 10, with only small fluctuations in all three elements until 07h, April 11. In the meantime, H was steadily decreasing, this decreasing continuing also after 07h when a few large peaks and troughs were superimposed on the general downward trend. Greatest activity in all three elements occurred between 07h and 16h, April 11 and the disturbance ended at about 18h. Ranges: D, 16′; H, 125γ; and Z, 88γ.

April 17-18.--A very moderate magnetic disturbance began gradually about 00h, April 17, with sweeping movements in H on which were superimposed small, rapid fluctuations. This character of activity continued to 17h, April 17, after which the movements were much reduced but continued to appear until about 18h, April 18. D and Z were relatively little disturbed in comparison with H. Ranges: D, 11′; H, 130γ; and Z, 115γ.

July to September, 1942

July 11-12.--This very moderate disturbance began gradually at 04h, July 11, when a marked decrease in H was initiated which developed into a period of about twelve hours of low values in that element constituting an extended trough. Z was numerically considerably greater than usual between 09h and 16h, July 11. In all elements, movements of moderate amplitude and approximately one-hour periods were superimposed on the general trends. A brief period of disturbance appeared again between 09h and 13h, July 12, the latter hour marking the end of the activity. Ranges: D, 17′; H, 101γ; and Z, 98γ.

August 15-27.--A moderate but protracted disturbance began inconspicuously about 18h, August, 15. Moderate peaks and troughs occurred at intervals thereafter through more than two days. After 10h, August 18, the peaks and troughs became more numerous, but continued about the same amplitude as formerly, until 18h, August 19, after which only occasional peaks and troughs were noted until 15h, August 27, when the disturbance ended. Conspicuous troughs in H occurred between 03h and 09h, August 22 and 25, and a sudden peak between 15h and 17h, August 23. Ranges: D, 22′; H, 129γ; and Z, 125γ.

September 11-22.--This disturbance was very similar to that of August 15 to 27, being of moderate intensity and protracted duration. Here also moderate peaks and troughs occurred at intervals throughout the period, commencing about 11h 30m, September 11, and ending about 18h, September 22. The greatest activity occurred between 03h and 17h, September 12, and 08h and 18h, September 21. Ranges: D, 20′; H, 154γ; and Z, 113γ.

October to December, 1942

October 2-5.--A moderate disturbance began with a small sudden commencement at 02h 45m, October 2, which was followed, after a quiet period of five hours, by abrupt changes of the sudden-commencement type in all elements at 08h 04m, but in this case H decreased and Z increased, these movements being opposite to those of the first commencement. After 08h, fluctuations of moderate amplitude and long period affected all elements until 15h, October 5, when the disturbance ended. The greatest activity occurred between 08h and 16h, October 2. Ranges: D, 18′; H, 113γ; and Z, 146γ.

October 28-31.--A magnetic disturbance of moderate intensity began at 12h 45m on October 28 with a small sudden commencement. The traces for the ensuing twenty-four hours showed moderate activity, the most noteworthy periods being between 13h and 23h on October 28, and 10h to 13h on October 29. The elements continued to be slightly disturbed until 15h on October 31. Ranges: D, 20′; H, 119γ; and Z, 129γ.

November 23-28.--A moderate disturbance began gradually about 12h, November 23, with H decreasing over several hours to the minimum for the disturbance at 04h 18m, October 24. H recovered slowly thereafter with moderate fluctuations of relatively long period superimposed on the general trend. D and Z likewise exhibited similar moderate fluctuation to the end of the activity at about 19h, November 28. Ranges: D, 14′; H, 92γ; and Z, 98γ.

December 20-24.--This moderate storm began with a small sudden commencement at 17h 34m, December 20. After the initial abrupt movement in each element, a slower change occurred in fifteen minutes, during which D moved easterly 4′, H increased 24γ, and Z decreased 25γ. Until 09h, October 23, very little activity occurred, but thereafter H was more active and was considerably decreased for several hours and was active and low again from 09h to 17h, December 23. Meanwhile, all elements exhibited moderate fluctuations superimposed on the general trends. The disturbance ended about 03h on December 24. Ranges: D, 17′; H, 120γ; and Z, 146γ.

January to March, 1943

January 4.--This brief disturbance began about 07h, January 4 and ended at 18h. In the intervening eleven hours, all elements experienced moderate fluctuations. Several prominent peaks and troughs occurred, being most pronounced in H. Ranges: D, 15′; H, 87γ; and Z, 95γ.

January 17.--A small sudden commencement ushered in a mild disturbance at 02h 30m, January 17. For the ensuing six hours the elements were very little disturbed but at 10h H began a series of moderately large, slow-period fluctuations which continued until 21h, after which time no unusual activity was noted. D and Z showed little activity. Ranges: D, 10′; H, 97γ; and Z, 74γ.

January 20-22.--A moderate disturbance began gradually about 12h, January 20, continuing until about 19h, January 22. In the interval all elements exhibited irregular, moderately large fluctuations, with H showing the most pronounced effects. Ranges: D, 14′; H, 96γ; and Z, 103γ.

February 13.--A small sudden commencement occurred at 01h 18m on February 13. D moved westerly 2′ in two minutes, H increased 5γ in two minutes, and then decreased 2γ in one minute, and Z increased numerically 6γ in two minutes. For about eight hours after the commencement, minor fluctuations appeared in all elements but did not seriously affect the general diurnal trends.

February 17.--Moderate activity began shortly after 01h on February 17 and continued until 15h. H steadily decreased in the first six hours after which a few irregular peaks and troughs appeared. Moderate peaks and troughs also appeared in D and Z between 11h and 15h. Ranges: D, 19′; H, 113γ; and Z, 152γ.

March 1-2.--Abrupt changes in all three elements occurred at 13h 45m on March 1. H increased 15γ in eight minutes, Z decreased 9γ in six minutes, and D moved eastward 2′ in four minutes. Thereafter, no activity was noted for twenty-four hours; then a deep trough of seven or eight hours' duration developed in H while D and Z were only mildly disturbed. Ranges: D, 13′; H, 116γ; and Z, 90γ.

March 29-31.--A small sudden commencement introduced a moderate storm at 10h 35m, March 29. Moderate, irregular fluctuations occurred in continuous succession for sixty hours until the end of the disturbance at about 24h, March 31. H was very low between 21h, March 29 and 15h, March 30. The greatest activity occurred in all elements between 18h, March 29, and 08h, March 30. Ranges: D, 18′; H, 157γ; and Z, 117γ.

April to June, 1943

April 2-7.--A protracted disturbance began at 23h 10m, April 2, with a very small sudden commencement. For several days thereafter irregular peaks and troughs of moderate amplitude appeared at intervals in all elements, until 16h, April 7, when activity ceased rather suddenly. April 3, 4, 5, and 6 were about equally disturbed, with April 7 showing reduced activity. Ranges: D, 16′; H, 119γ; and Z, 114γ.

April 10-11.--Beginning gradually about 05h, April 10, this very moderate disturbance is reported chiefly because of the extended trough in H between 05h and 16h. Irregular fluctuations of moderate to small amplitude and of quite long period occurred in all elements, with all elements about equally affected. The disturbance disappeared gradually during April 11. Ranges: D, 10′; H, 109γ; and Z, 93γ.

April 25-26.--In this very moderate disturbance, H changed conspicuously after 15h 50m on April 25, producing a pronounced hump in which an increase of 25γ occurred in thirty-five minutes. Thereafter only slight irregularities occurred in all elements until 00h, April 26. Between 00h and 03h, H fell sharply to low values which persisted for nine hours, after which gradual recovery restored the values to normal by 24h on April 26. Ranges: D, 7′; H, 111γ; and Z, 63γ.

May 1-2.--This moderate disturbance, which began gradually about 02h, May 1, was characterized by moderately large peaks and troughs in all elements throughout May 1. H fell steadily between 02h and 07h on May 1 to low values which persisted only briefly and then climbed gradually to normal by 18h. There was considerably reduced activity in all elements on May 2 until 17h, when the disturbance appears to have ended. Ranges: D, 16′; H, 115γ; and Z, 136γ.

May 17-19.--Beginning about 17h, May 17, this very moderate disturbance consisted chiefly of occasional sweeping peaks and troughs of moderate amplitude. H did not undergo any conspicuous decrease in value. The end of the disturbance was indefinite, but occurred about 17h, May 19. Ranges: D, 11′; H, 105γ; and Z, 66γ.

July to September, 1943

July 4-6.--This disturbance began about 09h 50m, July 4, with conspicuous but slow movements in all three elements. The elements were moderately irregular thereafter, and a few pronounced peaks and troughs occurred before the end of the disturbance at approximately 13h, July 6. Ranges: D, 22′; H, 122γ; and Z, 126γ.

August 7-9.--A small magnetic disturbance began with a sudden commencement in H at 08h 20m, August 7, with small but very rapid oscillations in all three elements. The traces were relatively quiet until 06h 55m, August 8, when larger fluctuations began without any special features except between 15h and 16h, August 8, when large peaks and troughs appeared in all three elements. Between 21h, August 8, and 10h, August 9, the value of H was considerably below normal, but the traces thereafter resumed their usual quiet values. Ranges: D, 20′; H, 125γ; and Z, 127γ.

August 13-21.--During the period 04h, August 13, to 15h, August 21, the traces were more than usually disturbed although no special period can be assigned as a major disturbance. However, the following special features may be mentioned: On August 16, at 08h, there was a large trough in H; on August 18, during the period from 09h to 11h, there were large fluctuations in all three elements. Range in D was approximately 25′.

August 28-September 4.--A period of disturbance which began at about 12h, August 28, gradually developed during the period August 28 to 30 and culminated in a major disturbance on August 31. There were no features of special interest during the first three days except that between 02h and 08h, August 30, there were rapid fluctuations in all three elements and imposed on the H-trace was a large trough between 02h and 05h. At 01h 43m, August 31, there was a sudden small movement which might be considered as a sudden commencement and thereafter the movements became large and sweeping, the maximum period of activity being between 12h and

14h. The traces gradually quieted after 17h, August 31, but moderate troughs and peaks appeared again at intervals on September 1, 2, 3, and 4, after which the disturbance subsided, ending at 19h, September 4. Ranges: D, 27′; H, 222γ; and Z, 168γ.

September 25-October 4.--This protracted storm began at 05h 53m, September 25, with a conspicuous sudden commencement in which H decreased 60γ in three minutes, Z increased numerically 30γ, and D changed easterly 4′. Only minor activity was noted thereafter until 06h, September 26, after which irregular moderate peaks and troughs were superimposed on the nearly normal trends in all elements until about 07h, September 29. On September 29 and 30, greater activity occurred with the peaks and troughs having larger amplitudes and the daily trends broken by sweeping movements. Decreased activity again prevailed on October 1, 2, 3, and 4, the peaks and troughs being of only moderate amplitude. The storm ended quite suddenly at 17h, October 4. Ranges: D, 22′; H, 151γ; and Z, 152γ.

October to December, 1943

October 8-10.--Commencing gradually about 10h, October 8, this mild disturbance consisted of several moderately large peaks and troughs scattered over a period of more than two days. The most active period occurred between 03h and 17h, October 9. The disturbance stopped suddenly at 18h, October 10. Ranges: D, 20′; H, 123γ; and Z, 139γ.

October 24-November 1.--A moderate storm of some length began with large departure from the normal trend in all three elements at about 09h, October 24. For eight days thereafter, numerous peaks and troughs appeared, each day, superimposed on nearly normal daily trends. October 25 showed the greatest general activity of the period. The storm ended about 19h, November 1. Ranges: D, 18′; H, 135γ; Z, 136γ.

November 19-28.--This moderate storm, of more than nine days duration, began rather conspicuously about 05h on November 19 with large irregularities in all three elements. The irregular fluctuations, generally moderate in amplitude, but occasionally quite large, were frequent every day. However, the greatest activity was displayed on November 19, 20, and 21, the remaining days being progressively less active to the end of the storm, which occurred about 13h, November 28. Ranges: D, 20′; H, 123γ; and Z, 136γ.

December 15-20.--Gradual but conspicuous changes in all three elements between 20h and 21h, December 15 ushered in a mild disturbance of approximately five days duration. Moderately large, irregular fluctuation occurred on December 16 and 17, after which reduced activity was displayed with numerous minor peaks and troughs each day until 22h, December 20, the end of the disturbance. Ranges: D, 19′; H, 102γ; and Z, 101γ.

January to March, 1944

February 7-8.--This small disturbance began at about 05h, February 7. There was no sudden commencement, but the traces gradually became more disturbed, reaching their greatest activity at 12h 50m when there were large peaks in D and Z and a considerable trough in H until 13h 26m. During this interval, the range in H was 103γ, in D, 12′, and in Z, 99γ. There was a smaller series of peaks and troughs between 15h and 16h 30m; however, apart from this feature, the disturbance gradually subsided until normal conditions again prevailed at 24h, February 8. Ranges: D, 20′; H, 110γ; and Z, 147γ.

March 26-27.--At 02h 00m, March 26, there was a fairly rapid but small movement which may have marked the commencement of the storm, although it did not possess the usual features of a sudden commencement. Only slight variations from normal values were recorded for the next nine hours; between 11h 30m and 14h 30m, there was a series of peaks and troughs in each of the three elements, after which there was a quiet period lasting eight hours. At 23h 19m, very rapid motions began in D, H, and Z which lasted until 07h, March 27. The mean hourly values of the elements did not depart markedly from normal during this period; however, there was continuous and rapid motion and H was slightly lower than usual. During the following nine hours the movements became more leisurely and the disturbance subsided by 16h, March 27. Ranges: D, 20′; H, 152γ; and Z, 132γ.

April to June, 1944

April 2.--A violent disturbance of short duration began at 05h 00m, April 2, with a series of peaks and troughs in all three elements, followed by a rapid decrease of H and westerly D and by an increase in the numerical value of Z. Between 09h and 10h the motions of the H- and Z-spots were too rapid to record continuously and the Z-spot exceeded the limits of registration. After 10h, H gradually increased and Z decreased so that by 20h they were approximately at their normal values, although some small rapid fluctuations persisted until 24h. Ranges: D, 28′; H, 320γ; and Z, 265γ.

May 1.--A period of moderate disturbance began with a small movement in all three elements at 05h 20m, May 1. After a fairly quiet period of five hours, a series of sweeping peaks and troughs commenced and extended over the ensuing nine hours. The traces were practically normal by 20h. The outstanding feature of the disturbance was the peak in the H-trace at 14h 42m which, with its following trough one hour later, covered a range of 115γ. Ranges: D, 16′; H, 117γ; and Z, 93γ.

July to September, 1944

September 30.--Between 13h and 16h, September 30, there was a large trough and peak shown in all three elements. The first feature was most clearly shown in the H-trace and H reached its minimum value at 14h 47m. Thereafter H quickly increased until it reached its maximum value at 15h 05m. A corresponding trough in the Z-trace occurred at the same time, while westerly D reached a minimum value at 15h 04m. Ranges: D, 11′; H, 78γ; and Z, 88γ.

October to December, 1944

December 15-18.--A disturbance of moderately severe intensity began with a sudden commencement in all three elements at 18h 52m, December 15. Small rapid fluctuations began at 23h 35m on the same day and continued intermittently until 10h 20m, December 16, these fluctuations being particularly active between 06h 50m and 08h 00m, December 16. At 13h 30m, December 16, large sweeping movements began in all three elements,

H decreasing to a minimum value at 15h 57m and the Z-trace going beyond the limits of registration between 13h 52m and 15h 38m. After 20h 30m, December 16, the traces steadied somewhat although remaining slightly disturbed, with H still considerably below its normal value. At 08h 54m, December 17, the traces again became more disturbed with fairly large sweeping movements taking place in all three elements, and with H increasing in mean value. At 23h 00m, December 17, these leisurely movements gave place to small fluctuations which persisted until 08h 30m, December 18, after which the traces resumed their normal character. A faint aurora was observed between 15h and 18h, December 16. Ranges: D, 32′; H, 260γ; and Z, 230γ.

TABLES 1-20

MAGNETOGRAPH TEMPERATURES, SCALE VALUES, AND BASE LINES; MONTHLY AND ANNUAL MEANS OF THE MAGNETIC ELEMENTS, 1936-1944

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Table 1. Observatory staff from 1936 to 1944

Year	Observer-in-charge	Observers and aids
1936	W. C. Parkinson, to Feb. 1 J. W. Green, from Feb. 1	W. Culmsee; J. J. Hogan; S. L. Seaton
1937	J. W. Green	W. Culmsee, to July 10; J. J. Hogan, to July 5; L. S. Prior, from Apr. 21; N. G. Chamberlain, from May 12; T. K. Hogan, from Jan. 1; S. L. Seaton
1938	J. W. Green, to Dec. 31	L. S. Prior; N. G. Chamberlain; S. L. Seaton, to July 22; T. K. Hogan, to Aug. 12; E. McCarthy, from Dec. 1
1939	W. C. Parkinson, from Jan. 1	L. S. Prior; N. G. Chamberlain; E. McCarthy
1940	W. C. Parkinson	E. McCarthy; N. G. Chamberlain, to Mar. 31; L. S. Prior, to Sep. 25; C. H. Muhling, from Apr. 13; L. N. D. Lucas, from Nov. 21
1941	W. C. Parkinson	L. N. D. Lucas; E. McCarthy, to July 14; C. H. Muhling, to Aug. 31; I. G. Norman, from July 1
1942	W. C. Parkinson	L. N. D. Lucas, to Jan. 29; I. G. Norman, to Sep. 29; W. D. Parkinson (part-time), from Jan. 1
1943	W. C. Parkinson	W. D. Parkinson (part-time)
1944	W. C. Parkinson	W. D. Parkinson (part-time)

Table 2. Monthly mean and range in temperatures, Eschenhagen Magnetograph

Month	1936		1937		1938		1939		1940	
	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range
Jan	24.2°	2.1°	25.4°	1.1°	23.9°	1.7°	23.9°	1.0°	24.7°	1.7°
Feb	25.6	1.0	26.0	1.4	24.9	1.4	24.7	1.9	25.7	1.4
Mar	25.8	0.6	25.6	1.7	24.1	1.7	24.8	0.7	25.5	0.8
Apr	23.8	4.0	24.2	1.4	23.3	2.4	23.9	3.0	23.1	3.3
May	20.4	4.0	21.3	3.4	20.4	2.9	20.8	3.0	20.2	2.8
Jun	17.0	2.0	18.0	2.3	17.2	2.8	17.3	2.4	18.0	1.6
Jul	15.4	1.0	16.0	2.0	15.1	0.8	15.0	1.7	16.3	1.1
Aug	15.5	1.0	15.0	0.3	14.7	1.0	14.8	0.8	15.5	1.0
Sep	16.5	2.0	15.4	1.2	15.7	2.2	15.4	1.7	16.2	1.1
Oct	18.1	0.7	17.5	2.2	17.6	0.9	17.5	2.5	18.1	1.8
Nov	20.3	3.2	20.2	3.2	19.5	3.0	19.8	1.8	19.5	2.4
Dec	23.3	3.0	22.4	1.9	22.9	2.5	22.6	3.0	22.2	2.0
Year	20.5	2.0	20.6	1.8	19.9	1.9	20.0	2.0	20.4	1.8

Month	1941		1942		1943		1944	
	Mean	Range	Mean	Range	Mean	Range	Mean	Range
Jan	23.9°	2.5°	24.0°	1.3°	23.9°	1.7°	24.4°	2.6°
Feb	25.8	1.0	25.0	0.8	24.9	0.4	25.8	0.4
Mar	24.8	2.1	24.6	1.7	25.5	0.9	25.1	1.1
Apr	22.6	2.4	22.7	2.1	23.7	3.2	23.2	2.3
May	20.4	1.9	19.7	3.3	20.3	2.7	20.1	4.4
Jun	18.2	2.5	16.7	2.0	17.6	1.9	17.0	1.9
Jul	16.3	1.9	15.0	2.0	15.4	2.4	16.0	0.5
Aug	15.6	0.5	14.8	1.3	14.4	0.7	15.8	0.5
Sep	15.9	0.3	15.4	0.8	15.3	1.2	16.2	1.1
Oct	16.6	2.1	16.6	1.5	16.9	2.3	18.3	2.5
Nov	18.9	2.5	19.0	3.2	19.5	3.1	20.8	1.6
Dec	22.0	3.1	22.5	3.0	22.3	1.8	21.8	0.7
Year	20.1	1.9	19.7	1.9	20.0	1.9	20.4	1.6

Table 3. Observed H scale values, ϵ_h, and adopted values of A, where $A = \epsilon_h - Bh$, $B = 0.005$, and h is ordinate in mm

(Mean hourly values of horizontal intensity, H, are derived from base-line values [in gammas] plus values of ΔH, where $\Delta H = [A + (B/2)h]h$

Date	Temperature	ϵ_h	Ordinate	A Computed	A Adopted
1936	°C	γ/mm	mm	γ/mm	γ/mm
Jan 14	24.9	2.717	4.1	2.697	2.69
Feb 21	26.0	2.608	-14.4	2.680	2.69[a]
Mar 4	26.2	1.489	22.1	1.379	1.38
Mar 11	25.8	1.483	19.3	1.387	1.38
Mar 17	25.8	1.336	-11.7	1.394	1.38[b]
Mar 19	26.6	1.188	27.9	1.048	1.01[c]
Mar 31	26.2	2.478	20.1	2.378	2.38[d]
Apr 3	25.9	1.732	31.7	1.574	1.57[e]
Apr 8	25.0	2.493	25.4	2.366	2.35
Apr 14	24.2	2.499	29.8	2.350	2.35
May 19	20.4	2.515	31.5	2.357	2.35
June 23	16.6	2.696	71.0	2.341	2.35
July 14	15.8	2.693	69.5	2.345	2.35
Aug 18	15.9	2.715	75.0	2.340	2.35
Sep 8	16.4	2.753	77.5	2.365	2.35
Oct 14	18.2	2.676	66.0	2.346	2.35
Nov 17	20.5	2.622	55.9	2.342	2.35
Dec 8	25.0	2.571	44.8	2.347	2.35[f]
1937					
Jan 19	25.8	2.520	30.4	2.368	2.36
Feb 23	26.0	2.465	17.7	2.367	2.36
Mar 16	26.0	2.467	21.2	2.361	2.36
Apr 20	24.7	2.579	42.5	2.366	2.36
May 25	21.2	2.563	40.7	2.359	2.36
June 15	18.3	2.664	59.5	2.367	2.36[g]
July 22	16.1	2.619	51.5	2.361	2.37
Aug 17	15.3	2.723	69.3	2.377	2.37
Sep 17	15.9	2.701	67.7	2.362	2.37
Oct 13	18.1	2.636	51.8	2.377	2.37
Nov 23	21.4	2.611	47.2	2.375	2.37
Dec 14	22.2	2.595	45.6	2.367	2.37[f]
1938					
Jan 27	24.2	2.394	7.11	2.358	2.38
Feb 15	25.9	2.450	11.74	2.391	2.38
Mar 15	24.4	2.510	26.41	2.378	2.38
Apr 12	24.2	2.560	32.91	2.395	2.38
May 17	21.3	2.517	32.12	2.356	2.38
June 14	18.0	2.764	73.22	2.398	2.38[g]
July 25	15.6	2.806	80.94	2.401	2.39
Aug 19	15.5	2.765	77.48	2.378	2.39
Sep 16	16.2	2.790	64.09	2.470	2.39
Oct 17	18.2	2.717	65.51	2.389	2.39
Nov 17	19.7	2.741	68.04	2.401	2.39
Dec 20	24.1	2.568	38.14	2.377	2.39[f]
1939					
Jan 19	24.5	2.516	28.18	2.375	2.38
Feb 15	25.7	2.554	37.65	2.366	2.38
Mar 14	24.9	2.590	41.15	2.384	2.38
Apr 20	23.8	2.446	11.81	2.387	2.38
May 16	21.0	2.632	51.19	2.376	2.38
June 16	17.2	2.556	37.01	2.371	2.38[g]
July 17	15.1	2.717	59.83	2.418	2.37
Aug 15	14.8	2.705	69.78	2.356	2.37
Sep 19	16.0	2.644	57.96	2.354	2.37
Oct 16	17.8	2.697	63.74	2.378	2.37
Nov 16	20.2	2.688	66.65	2.355	2.37
Dec 14	22.9	2.633	50.58	2.380	2.37[f]
1940					
Jan 18	25.4	2.566	42.42	2.354	2.38
Feb 16	26.4	2.554	36.65	2.371	2.38
Mar 13	26.0	2.521	27.22	2.385	2.38
Apr 16	23.0	2.533	32.36	2.371	2.38
May 17	20.3	2.682	58.48	2.390	2.38
June 16	19.0	2.717	66.42	2.385	2.38
July 23	16.6	2.771	76.61	2.388	2.38
Aug 4	16.2	2.792	81.50	2.384	2.38
Sep 3	16.4	2.555	36.99	2.370	2.38
Oct 22	19.0	2.550	69.33	2.377	2.38
Nov 22	20.2	2.433	13.87	2.364	2.38
Dec 31	23.0	2.522	24.88	2.398	2.38[f]
1941					
Jan 3	23.0	2.585	40.56	2.382	2.39
Jan 14	24.6	2.545	33.42	2.378	2.39
Feb 17	26.2	2.430	07.42	2.393	2.39
Mar 5	25.8	2.483	17.55	2.395	2.39
Mar 19	25.0	2.518	27.94	2.378	2.39
Apr 17	23.0	2.654	52.90	2.390	2.39
May 15	20.6	2.743	69.53	2.395	2.39
June 17	18.9	2.754	72.38	2.392	2.39[g]
July 15	16.4	2.778	78.15	2.388	2.40
Aug 19	16.8	2.830	85.40	2.403	2.40
Sep 26	17.0	2.801	79.56	2.403	2.40
Oct 22	18.4	2.802	75.12	2.426	2.40
Nov 15	19.2	2.772	73.95	2.402	2.40
Dec 17	22.9	2.700	60.62	2.397	2.40[f]
1942					
Jan 16	24.3	2.635	48.57	2.392	2.40
Feb 16	25.2	2.644	48.69	2.401	2.40
Mar 16	25.0	2.622	46.07	2.392	2.40
Apr 15	23.0	2.670	54.81	2.396	2.40
May 16	20.0	2.753	72.12	2.392	2.40
May 20	20.2	2.804	77.40	2.417	2.40[g]
July 6	16.0	2.761	68.82	2.417	2.41
Aug 18	15.4	2.671	51.92	2.411	2.41
Sep 15	15.8	2.637	48.81	2.393	2.41
Oct 16	16.8	2.708	57.14	2.422	2.41
Nov 17	19.6	2.633	46.28	2.402	2.41
Dec 15	22.6	2.616	38.16	2.425	2.41[f]
1943					
Jan 17	23.7	2.649	44.27	2.428	2.41
Feb 21	24.8	2.542	25.08	2.417	2.41
Mar 15	26.2	2.505	19.58	2.407	2.41
Apr 12	24.4	2.500	18.87	2.406	2.41
May 14	20.6	2.620	40.58	2.417	2.41
June 15	17.8	2.712	59.09	2.417	2.41[g]
July 15	15.8	2.761	65.66	2.433	2.42
Aug 16	14.9	2.619	41.58	2.411	2.42
Sep 16	15.8	2.723	64.88	2.420	2.42
Oct 15	17.6	2.744	64.49	2.422	2.42
Nov 15	20.2	2.704	57.04	2.419	2.42
Dec 15	22.8	2.643	44.92	2.418	2.42[f]
1944					
Jan 15	24.5	2.560	26.02	2.430	2.42
Feb 14	26.0	2.416	1.20	2.410	2.42
Mar 15	25.0	2.552	24.20	2.431	2.42
Apr 14	23.4	2.604	28.77	2.410	2.42
May 15	20.5	2.650	44.31	2.428	2.42
June 15	17.5	2.688	53.97	2.418	2.42[g]
July 16	16.1	2.820	78.45	2.428	2.43
Aug 14	16.0	2.825	80.02	2.425	2.43
Sep 15	16.1	2.814	77.11	2.428	2.43
Oct 15	19.1	2.665	48.28	2.424	2.43
Nov 15	21.6	2.695	53.53	2.427	2.43
Dec 15	21.9	2.653	44.99	2.428	2.43[f]

[a]To 12h Feb. 29. [b]To 17h Mar. 18. [c]To 17h Mar. 24. [d]To 12h Apr. 1. [e]To 15h Apr. 7. [f]To 24h Dec. 31. [g]To 24h June 30. Note: For causes of scale-value changes under (a) to (e) see first six items in Table 7.

Table 4. Summary of daily Z scale-value determinations with Helmholtz Coil, 1936 to 1944

Range in daily ϵ_Z observations	No. of obsns.	Mean value ϵ_Z	Mean value used to
γ/mm		γ/mm	
1936			
4.03-4.18	14	4.15	21h Jan 14
4.12-4.38	61	4.26	17h Mar 18[a]
3.92-4.14	20	4.06	14h Apr 7[a]
3.82-4.04	11	3.98	21h Apr 17
3.76-3.92	18	3.83	8h May 11
3.92-4.14	11	4.02	8h May 22
4.12-4.14	4	4.14	8h May 26
4.25-4.43	20	4.35	11h June 15[b]
4.41-4.61	37	4.51	8h July 23
4.49-4.69	26	4.59	8h Aug 20
4.43-4.51	19	4.47	14h Sep 8[c]
3.92-4.12	23	4.00	21h Sep 30[d]
4.18-4.35	73	4.26	24h Dec 15
4.09-4.18	16	4.14	24h Dec 31
1937			
4.03-4.21	76	4.14	24h Mar 21
4.18-4.25	7	4.22	24h Mar 29
4.22-4.33	25	4.28	24h Apr 24
4.30-4.44	14	4.35	24h May 9
4.38-4.49	25	4.44	8h June 4[a]
4.11-4.16	5	4.13	14h June 9[b]
3.80-3.86	6	3.82	13h June 15
3.66-3.82	62	3.73	13h Aug 17
3.55-3.66	11	3.60	22h Aug 31[d]
3.64-3.88	52	3.78	24h Oct 24
3.86-4.04	32	3.96	8h Nov 26
3.74-.....	1	3.74	22h Nov 26[b]
3.25-3.39	30	3.32	24h Dec 26
3.40-3.44	5	3.40	24h Dec 31
1938			
3.30-3.48	98	3.40	24h Apr 11
3.29-3.46	47	3.37	24h May 31[b]
3.46-3.69	35	3.55	10h July 7
3.44-3.57	97	3.52	14h Oct 17[c]
3.26-3.44	24	3.34	20h Nov 11
3.32-3.41	26	3.36	8h Dec 7
3.29-3.39	13	3.31	20h Dec 20[b]
3.22-3.32	12	3.27	24h Dec 31
1939			
3.22-3.27	10	3.27	8h Jan 12
3.23-3.33	90	3.30	13h Apr 20[c]
3.29-3.41	69	3.35	24h July 5
3.36-3.49	97	3.43	8h Oct 25
3.40-3.53	66	3.46	24h Dec 31
1940			
3.23-3.66	238	3.39	21h Sep 8[d]
3.10-3.38	111	3.26	24h Dec 31[d]
1941			
3.23-3.43	132	3.34	24h May 31[d]
3.11-3.46	186	3.28	20h Dec 19[b]
3.11-3.25	13	3.19	24h Dec 31
1942			
3.12-3.27	31	3.20	24h Jan 31
3.22-3.38	81	3.29	20h Apr 24
3.11-3.13	2	3.12	20h Apr 26[e]
3.21-3.33	31	3.27	20h May 28[b]
3.00-3.16	43	3.10	20h July 12
3.15-3.27	14	3.22	20h July 27
3.27-3.41	13	3.35	14h Aug 8
3.08-3.24	10	3.17	15h Aug 18[c]
2.96-3.19	76	3.05	24h Nov 9
3.15-3.34	49	3.24	24h Dec 31
1943			
3.22-3.33	39	3.27	8h Feb 7
3.22-3.42	65	3.31	20h Apr 26
3.02-3.32	104	3.19	24h Aug 13
2.90-3.23	129	3.10	24h Dec 31
1944			
3.08-3.19	31	3.15	20h Jan 31
3.00-3.16	62	3.08	20h Apr 3
2.88-3.00	57	2.95	24h May 31
2.95-3.17	30	3.06	24h June 30
3.06-3.20	62	3.14	20h Sep 15[c]
2.86-3.05	18	2.94	20h Oct 11[b]
3.16-3.26	4	3.21	20h Oct 15[c]
3.28-3.42	13	3.34	20h Oct 31[c]
3.33-3.60	52	3.51	24h Dec 31

Changes in scale-value caused by: [a]adjusted H variometer; [b]adjusted Z temperature spot; [c]made H scale-value observations; [d]adjusted Z recording spot; [e]adjusted D base line

Table 5. Observed base-line values for the D variometer, and respective adopted values. Eschenhagen Magnetograph

(Observed values determined with Magnetometer No. 7)
(West declination)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1936	° ′	° ′		1937	° ′	° ′	
Jan 7	-3 27.4	-3 27.2		Jan 5	-3 23.8	-3 23.4	
Jan 14	3 26.9	3 27.2		Jan 12	3 23.6	3 23.4	
Jan 21	3 27.3	3 27.2		Jan 19	3 23.5	3 23.4	
Jan 28	3 27.3	3 27.2		Jan 26	3 23.3	3 23.4	
Feb 4	3 27.5	3 27.2		Feb 2	3 23.4	3 23.4	
Feb 11	3 27.0	3 27.2		Feb 9	3 23.5	3 23.4	
Feb 18	3 27.5	3 27.2		Feb 16	3 23.5	3 23.4	
Feb 25	3 26.8	3 27.2	22h, Feb 29	Feb 23	3 23.5	3 23.4	
Mar 10	3 26.6	3 27.1		Mar 2	3 23.4	3 23.4	
Mar 17	3 27.6	3 27.1		Mar 9	3 23.4	3 23.4	
Mar 24	3 26.9	3 27.1	21h, Mar 24	Mar 16	3 23.4	3 23.4	
Mar 31	3 25.2	3 25.1		Mar 23	3 23.6	3 23.4	
Apr 7	3 24.9	3 25.1	14h, Apr 7	Mar 30	3 23.8	3 23.4	
Apr 14	3 23.6	3 23.1		Apr 6	3 23.4	3 23.4	
Apr 21	3 23.0	3 23.1		Apr 13	3 23.5	3 23.4	
Apr 28	3 23.0	3 23.1	24h, Apr 30	Apr 20	3 23.3	3 23.4	
May 5	3 23.1	3 23.0		Apr 27	3 23.7	3 23.4	
May 12	3 23.8	3 23.0	24h, May 15	May 4	3 23.4	3 23.4	24h, May 9
May 19	3 22.8	3 22.9		May 11	3 23.1	3 23.3	
May 26	3 23.0	3 22.9		May 18	3 23.1	3 23.3	
Jun 3	3 22.8	3 22.9		May 25	3 23.5	3 23.3	
Jun 9	3 22.8	3 22.9		Jun 1	3 22.9	3 23.3	
Jun 16	3 22.9	3 22.9		Jun 8	3 23.9	3 23.3	
Jun 23	3 23.0	3 22.9		Jun 15	3 22.9	3 23.3	
Jun 30	3 22.8	3 22.9		Jun 22	3 23.0	3 23.3	
Jul 7	3 23.0	3 22.9		Jun 29	3 22.5	3 23.3	
Jul 14	3 22.8	3 22.9		Jul 6	3 23.6	3 23.3	
Jul 21	3 22.7	3 22.9		Jul 13	3 23.3	3 23.3	
Jul 28	3 23.1	3 22.9		Jul 20	3 24.6	3 23.3	
Aug 4	3 22.8	3 22.9		Jul 27	3 23.2	3 23.3	
Aug 11	3 22.7	3 22.9		Aug 3	3 23.4	3 23.3	
Aug 18	3 22.8	3 22.9		Aug 10	3 22.6	3 23.3	
Aug 25	3 22.9	3 22.9		Aug 17	3 23.8	3 23.3	
Sep 1	3 22.9	3 22.9		Aug 24	3 23.3	3 23.3	
Sep 8	3 23.1	3 22.9		Aug 31	3 23.7	3 23.3	22h, Aug 31
Sep 15	3 23.1	3 22.9		Sep 7	3 22.6	3 22.7	
Sep 22	3 22.5	3 22.9		Sep 14	3 22.7	3 22.7	
Sep 29	3 23.4	3 22.9	21h, Sep 30	Sep 21	3 22.6	3 22.7	
Oct 6	3 23.1	3 23.0		Sep 28	3 22.4	3 22.7	
Oct 13	3 22.8	3 23.0		Oct 5	3 22.5	3 22.7	
Oct 20	3 22.9	3 23.0		Oct 12	3 22.7	3 22.7	
Oct 27	3 22.8	3 23.0		Oct 19	3 22.6	3 22.7	
Nov 3	3 22.7	3 23.0	24h, Nov 5	Oct 26	3 22.8	3 22.7	
Nov 10	3 23.1	3 23.1		Nov 2	3 22.4	3 22.7	
Nov 17	3 23.1	3 23.1	24h, Nov 22	Nov 9	3 22.9	3 22.7	
Nov 24	3 23.3	3 23.2	24h, Nov 30	Nov 16	3 22.2	3 22.7	
Dec 1	3 23.4	3 23.3		Nov 23	3 23.4	3 22.7	21h, Nov 26
Dec 8	3 22.8	3 23.3	24h, Dec 8	Nov 30	3 23.4	3 23.5	
Dec 15	3 23.0	3 23.4		Dec 7	3 23.8	3 23.5	
Dec 22	3 23.3	3 23.4		Dec 8	3 24.3	3 23.5	
Dec 29	3 24.0	3 23.4		Dec 14	3 24.0	3 23.5	
				Dec 21	3 23.5	3 23.5	
				Dec 28	3 23.3	3 23.5	24h, Dec 31

Table 5. Observed base-line values for the D variometer, and respective adopted values--Continued

(West declination)

Date	Observed	Adopted	Adopted value used to
1938	° ′	° ′	
Jan 4	-3 23.1	-3 23.4	
Jan 11	3 22.5	3 23.4	24h, Jan 15
Jan 20	3 23.2	3 23.3	
Jan 25	3 23.4	3 23.3	24h, Jan 31
Feb 1	3 23.4	3 23.2	
Feb 8	3 23.6	3 23.2	
Feb 15	3 23.0	3 23.2	
Feb 22	3 23.1	3 23.2	
Mar 1	3 22.9	3 23.2	
Mar 8	3 23.3	3 23.2	
Mar 15	3 22.6	3 23.2	
Mar 22	3 23.6	3 23.2	
Mar 29	3 23.3	3 23.2	24h, Mar 31
Apr 5	3 23.1	3 23.1	
Apr 12	3 23.4	3 23.1	
Apr 19	3 22.7	3 23.1	
Apr 26	3 23.6	3 23.1	
May 3	3 22.9	3 23.1	
May 14	3 23.2	3 23.1	
May 17	3 23.3	3 23.1	
May 24	3 22.6	3 23.1	
May 31	3 22.9	3 23.1	24h, May 31
Jun 7	3 13.7	3 14.3	
Jun 14	3 14.2	3 14.3	
Jun 21	3 15.1	3 14.3	
Jun 28	3 14.4	3 14.3	
Jul 9	3 13.8	3 14.3	
Jul 12	3 14.5	3 14.3	
Jul 19	3 13.9	3 14.3	
Jul 26	3 14.1	3 14.3	
Aug 2	3 14.6	3 14.3	
Aug 9	3 14.5	3 14.3	24h, Aug 10
Aug 16	3 14.2	3 14.4	
Aug 23	3 14.7	3 14.4	
Aug 30	3 14.5	3 14.4	
Sep 13	3 14.2	3 14.4	
Sep 20	3 14.6	3 14.4	
Oct 1	3 15.1	3 14.4	
Oct 4	3 14.2	3 14.4	
Oct 11	3 14.5	3 14.4	
Oct 18	3 14.3	3 14.4	
Oct 25	3 14.8	3 14.4	
Nov 1	3 13.8	3 14.4	
Nov 8	3 15.0	3 14.4	20h, Nov 11
Nov 15	3 15.3	3 15.1	
Nov 22	3 14.8	3 15.1	24h, Nov 26
Nov 29	3 15.4	3 15.2	
Dec 6	3 15.0	3 15.2	24h, Dec 11
Dec 13	3 15.6	3 15.3	24h, Dec 26
Dec 27	3 15.5	3 15.4	24h, Dec 31

Date	Observed	Adopted	Adopted value used to
1939	° ′	° ′	
Jan 10	-3 15.6	-3 15.4	
Jan 17	3 15.2	3 15.4	24h, Jan 20
Jan 24	3 15.8	3 15.3	
Jan 31	3 15.7	3 15.3	
Feb 7	3 15.2	3 15.3	24h, Feb 9
Feb 14	3 14.9	3 15.2	
Feb 21	3 15.6	3 15.2	
Feb 28	3 15.4	3 15.2	24h, Feb 28
Mar 7	3 15.0	3 15.1	
Mar 14	3 15.4	3 15.1	24h, Mar 20
Mar 21	3 14.8	3 15.0	
Mar 28	3 14.8	3 15.0	
Apr 4	3 14.6	3 15.0	24h, Apr 9
Apr 11	3 14.4	3 14.9	
Apr 18	3 14.9	3 14.9	
Apr 26	3 15.2	3 14.9	24h, Apr 30
May 2	3 14.8	3 14.8	
May 9	3 14.7	3 14.8	
May 16	3 14.5	3 14.8	24h, May 20
May 23	3 14.5	3 14.7	
May 30	3 15.1	3 14.7	
Jun 6	3 15.0	3 14.7	
Jun 13	3 14.5	3 14.7	
Jun 20	3 14.3	3 14.7	
Jun 29	3 15.9	3 14.7	
Jul 4	3 14.8	3 14.7	
Jul 11	3 14.1	3 14.7	
Jul 18	3 15.8	3 14.7	14h, Jul 19
Jul 20	3 08.2	3 08.4	
Jul 25	3 07.5	3 08.4	24h, Jul 31
Aug 1	3 08.3	3 08.5	
Aug 8	3 09.2	3 08.5	
Aug 15	3 08.3	3 08.5	
Aug 22	3 09.0	3 08.5	
Aug 29	3 09.2	3 08.5	24h, Aug 31
Sep 5	3 08.5	3 08.6	
Sep 12	3 07.8	3 08.6	
Sep 19	3 08.4	3 08.6	
Sep 26	3 08.6	3 08.6	24h, Sep 30
Oct 3	3 08.2	3 08.7	
Oct 5	3 08.6	3 08.7	
Oct 10	3 08.5	3 08.7	
Oct 17	3 09.0	3 08.7	
Oct 24	3 08.5	3 08.7	
Oct 31	3 08.8	3 08.7	24h, Oct 31
Nov 7	3 09.2	3 08.8	
Nov 14	3 08.7	3 08.8	
Nov 21	3 08.5	3 08.8	
Nov 28	3 08.9	3 08.8	
Dec 5	3 08.5	3 08.8	
Dec 12	3 07.1	3 08.8	
Dec 19	3 09.1	3 08.8	
Dec 26	3 09.0	3 08.8	24h, Dec 31

Table 5. Observed base-line values for the D variometer, and respective adopted values--Continued

(West declination)

Date	Observed	Adopted	Adopted value used to
1940	° ′	° ′	
Jan 2	-3 09.1	-3 08.8	
Jan 9	3 09.0	3 08.8	24h, Jan 15
Jan 16	3 08.8	3 08.9	
Jan 23	3 09.1	3 08.9	
Jan 30	3 08.7	3 08.9	24h, Jan 31
Feb 6	3 09.3	3 09.0	
Feb 13	3 09.5	3 09.0	24h, Feb 15
Feb 20	3 09.3	3 09.1	
Feb 27	3 08.8	3 09.1	24h, Feb 29
Mar 5	3 09.2	3 09.0	
Mar 12	3 09.6	3 09.0	24h, Mar 15
Mar 19	3 08.7	3 08.9	From Mar 15
Mar 26	3 09.4	3 08.8	to Sep 8, one-
Apr 2	3 08.6	3 08.8	tenth minute
Apr 9	3 08.5	3 08.7	change every
Apr 16	3 08.2	3 08.6	ten days
Apr 23	3 08.0	3 08.6	
Apr 30	3 08.5	3 08.5	
May 7	3 08.2	3 08.4	
May 14	3 08.2	3 08.4	
May 21	3 08.0	3 08.3	
May 28	3 08.0	3 08.2	
Jun 4	3 07.9	3 08.1	
Jun 11	3 07.7	3 08.1	
Jun 18	3 07.6	3 08.0	
Jun 25	3 07.8	3 07.9	
Jul 2	3 07.6	3 07.9	
Jul 9	3 07.6	3 08.0	
Jul 16	3 08.6	3 08.1	
Jul 23	3 08.4	3 08.2	
Jul 30	3 08.0	3 08.2	
Aug 6	3 08.6	3 08.3	
Aug 13	3 08.4	3 08.4	
Aug 20	3 08.6	3 08.5	
Aug 27	3 08.8	3 08.5	
Sep 3	3 09.1	3 08.6	
Sep 10	3 08.2	3 07.7	
Sep 17	3 07.7	3 07.7	
Sep 24	3 07.6	3 07.7	
Oct 1	3 07.8	3 07.7	
Oct 8	3 07.6	3 07.7	
Oct 15	3 07.7	3 07.7	
Oct 22	3 07.4	3 07.7	
Oct 29	3 07.5	3 07.7	
Nov 5	3 07.3	3 07.7	
Nov 12	3 07.2	3 07.7	
Nov 19	3 07.5	3 07.7	24h, Nov 22
Nov 26	3 08.0	3 07.8	
Dec 3	3 08.2	3 07.8	
Dec 10	3 08.1	3 07.8	
Dec 17	3 08.0	3 07.8	
Dec 24	3 08.1	3 07.8	
Dec 31	3 07.8	3 07.8	24h, Dec 31

Date	Observed	Adopted	Adopted value used to
1941	° ′	° ′	
Jan 7	-3 08.0	-3 08.2	24h, Jan 10
Jan 14	3 08.3	3 08.3	24h, Jan 20
Jan 21	3 08.2	3 08.4	
Jan 28	3 08.6	3 08.4	24h, Jan 30
Feb 4	3 08.6	3 08.5	
Feb 11	3 08.4	3 08.5	
Feb 18	3 08.5	3 08.5	
Feb 25	3 08.5	3 08.5	24h, Feb 28
Mar 3	3 08.5	3 08.6	
Mar 4	3 08.6	3 08.6	
Mar 11	3 08.4	3 08.6	
Mar 18	3 08.6	3 08.6	
Mar 25	3 08.9	3 08.6	24h, Mar 31
Apr 1	3 08.8	3 08.7	
Apr 8	3 08.5	3 08.7	
Apr 15	3 08.6	3 08.7	
Apr 22	3 08.4	3 08.7	
Apr 29	3 09.0	3 08.7	
May 6	3 09.0	3 08.7	
May 13	3 08.8	3 08.7	
May 20	3 09.1	3 08.7	
May 27	3 08.4	3 08.7	
Jun 3	3 08.6	3 08.7	
Jun 10	3 08.5	3 08.7	
Jun 17	3 08.7	3 08.7	
Jun 24	3 08.5	3 08.7	
Jul 1	3 08.9	3 08.7	
Jul 8	3 08.8	3 08.7	
Jul 15	3 08.8	3 08.7	24h, Jul 15
Jul 22	3 08.8	3 08.6	
July 29	3 08.5	3 08.6	24h, Jul 31
Aug 5	3 08.8	3 08.5	
Aug 12	3 08.9	3 08.5	
Aug 19	3 08.0	3 08.5	
Aug 20	3 08.4	3 08.5	
Aug 26	3 08.1	3 08.5	24h, Aug 31
Sep 2	3 08.8	3 08.4	
Sep 10	3 08.3	3 08.4	
Sep 16	3 08.3	3 08.4	
Sep 23	3 08.5	3 08.4	
Sep 30	3 08.4	3 08.4	
Oct 7	3 08.2	3 08.4	
Oct 14	3 08.5	3 08.4	24h, Oct 15
Oct 21	3 08.4	3 08.3	24h, Oct 25
Oct 28	3 08.1	3 08.2	
Nov 4	3 07.6	3 08.2	
Nov 11	3 07.8	3 08.2	
Nov 18	3 07.8	3 08.2	
Nov 25	3 08.4	3 08.2	
Dec 2	3 08.3	3 08.2	
Dec 9	3 08.2	3 08.2	24h, Dec 15
Dec 16	3 08.5	3 08.3	
Dec 23	3 08.3	3 08.3	
Dec 30	3 08.1	3 08.3	24h, Dec 31

Table 5. Observed base-line values for the D variometer, and respective adopted values--Continued

(West declination)

Date	Observed	Adopted	Adopted value used to
1942	° ′	° ′	
Jan 1	-2 51.9	-2 52.0	
Jan 1	2 51.8	2 52.0	
Jan 6	2 52.0	2 52.0	
Jan 13	2 51.9	2 52.0	
Jan 20	2 51.7	2 52.0	
Jan 27	2 52.5	2 52.0	
Feb 3	2 52.1	2 52.0	
Feb 7	2 51.8	2 52.0	
Feb 10	2 52.0	2 52.0	
Feb 17	2 52.1	2 52.0	
Feb 24	2 52.2	2 52.0	24h, Feb 28
Mar 3	2 52.3	2 51.9	
Mar 10	2 51.8	2 51.9	24h, Mar 15
Mar 17	2 51.7	2 51.8	
Mar 24	2 51.9	2 51.8	
Mar 31	2 51.9	2 51.8	24h, Mar 31
Apr 7	2 51.4	2 51.7	
Apr 14	2 51.3	2 51.7	24h, Apr 15
Apr 21	2 51.9	2 51.6	
Apr 25	2 51.6	2 51.6	24h, Apr 26
Apr 28	2 44.5	2 44.3	
May 5	2 44.1	2 44.3	
May 12	2 44.0	2 44.3	
May 19	2 44.2	2 44.3	
May 26	2 44.2	2 44.3	
Jun 2	2 44.6	2 44.3	
Jun 9	2 44.1	2 44.3	24h, Jun 15
Jun 16	2 44.5	2 44.2	
Jun 23	2 44.4	2 44.2	
Jun 30	2 44.4	2 44.2	24h, Jun 30
Jul 7	2 43.9	2 44.1	
Jul 14	2 43.9	2 44.1	24h, Jul 15
Jul 21	2 43.7	2 44.0	
Jul 28	2 43.8	2 44.0	
Aug 4	2 44.2	2 44.0	24h, Aug 10
Aug 11	2 44.0	2 43.9	
Aug 18	2 44.0	2 43.9	
Aug 25	2 43.9	2 43.9	
Sep 1	2 43.8	2 43.9	
Sep 8	2 43.8	2 43.9	
Sep 15	2 43.9	2 43.9	
Sep 22	2 44.0	2 43.9	
Sep 29	2 43.8	2 43.9	
Oct 6	2 44.1	2 43.9	
Oct 13	2 43.8	2 43.9	
Oct 20	2 43.8	2 43.9	24h, Oct 20
Oct 27	2 43.9	2 44.0	
Nov 3	2 44.1	2 44.0	
Nov 10	2 44.0	2 44.0	24h, Nov 10
Nov 17	2 44.3	2 44.1	24h, Nov 20
Nov 24	2 44.4	2 44.2	
Dec 1	2 44.0	2 44.2	
Dec 8	2 44.0	2 44.2	
Dec 15	2 43.8	2 44.2	24h, Dec 15
Dec 22	2 44.5	2 44.3	
Dec 29	2 44.5	2 44.3	24h, Dec 31

Date	Observed	Adopted	Adopted value used to
1943	° ′	° ′	
Jan 5	-2 44.3	-2 44.4	
Jan 12	2 44.4	2 44.4	
Jan 19	2 44.5	2 44.4	24h, Jan 20
Jan 26	2 44.3	2 44.3	
Feb 2	2 44.3	2 44.3	
Feb 9	2 44.3	2 44.3	
Feb 16	2 44.2	2 44.3	24h, Feb 21
Feb 23	2 46.4	2 46.2	
Mar 2	2 46.1	2 46.2	
Mar 9	2 45.9	2 46.2	
Mar 16	2 46.4	2 46.2	
Mar 23	2 46.4	2 46.2	
Mar 30	2 46.3	2 46.2	
Apr 6	2 46.2	2 46.2	
Apr 13	2 46.1	2 46.2	
Apr 20	2 46.2	2 46.2	20h, Apr 26
Apr 27	2 46.2	2 45.7	
May 4	2 45.9	2 45.7	
May 11	2 45.7	2 45.7	
May 18	2 46.1	2 45.7	
May 25	2 45.7	2 45.7	
Jun 1	2 45.7	2 45.7	
Jun 8	2 45.6	2 45.7	
Jun 15	2 45.8	2 45.7	
Jun 22	2 45.4	2 45.7	
Jun 29	2 46.0	2 45.7	24h, Jun 30
Jul 6	2 45.5	2 45.6	
Jul 13	2 45.8	2 45.6	24h, Jul 15
Jul 20	2 45.5	2 45.5	
Jul 27	2 45.3	2 45.5	
Aug 3	2 45.7	2 45.5	
Aug 10	2 45.5	2 45.5	
Aug 17	2 45.3	2 45.5	
Aug 24	2 46.0	2 45.5	
Aug 31	2 45.4	2 45.5	24h, Aug 31
Sep 7	2 45.4	2 45.6	From Sep 1
Sep 14	2 45.6	2 45.7	to Dec 31,
Sep 21	2 46.0	2 45.8	one-tenth
Sep 28	2 46.0	2 45.8	minute
Oct 5	2 45.8	2 45.9	change
Oct 12	2 46.2	2 46.0	every 10
Oct 19	2 46.2	2 46.0	days (or
Oct 26	2 46.0	2 46.1	11 days
Nov 2	2 46.2	2 46.2	at end of
Nov 9	2 46.3	2 46.2	Oct and
Nov 16	2 46.4	2 46.3	Dec)
Nov 23	2 46.3	2 46.4	
Nov 30	2 46.3	2 46.4	
Dec 7	2 46.4	2 46.5	
Dec 14	2 46.5	2 46.6	
Dec 21	2 46.5	2 46.7	
Dec 28	2 47.0	2 46.7	

Table 5. Observed base-line values for the D variometer, and respective adopted values--Concluded

(West declination)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1944	° ′	° ′		1944	° ′	° ′	
Jan 4	-2 47.0	-2 46.6		Jul 18	-2 46.0	-2 46.2	
Jan 11	2 46.8	2 46.6		Jul 25	2 45.9	2 46.2	24h, Jul 31
Jan 18	2 46.8	2 46.6		Aug 1	2 46.2	2 46.3	
Jan 25	2 46.4	2 46.6	24h, Jan 31	Aug 8	2 46.6	2 46.3	
Feb 1	2 46.3	2 46.5		Aug 15	2 47.0	2 46.3	
Feb 8	2 46.4	2 46.5		Aug 22	2 46.2	2 46.3	
Feb 15	2 45.9	2 46.5		Aug 29	2 45.7	2 46.3	24h, Aug 31
Feb 22	2 46.5	2 46.5		Sep 5	2 46.4	2 46.4	
Feb 29	2 46.6	2 46.5	24h, Feb 29	Sep 12	2 46.4	2 46.4	
Mar 7	2 46.4	2 46.4		Sep 19	2 46.5	2 46.4	
Mar 14	2 46.6	2 46.4		Sep 26	2 46.3	2 46.4	
Mar 21	2 46.6	2 46.4		Oct 3	2 46.1	2 46.4	
Mar 28	2 46.3	2 46.4		Oct 10	2 46.3	2 46.4	24h, Oct 10
Apr 4	2 46.5	2 46.4		Oct 17	2 46.5	2 46.5	24h, Oct 15
Apr 11	2 46.0	2 46.4		....	.....	2 46.6	24h, Oct 20
Apr 18	2 46.9	2 46.4		Oct 24	2 46.7	2 46.7	24h, Oct 25
Apr 25	2 46.4	2 46.4	24h, Apr 30	....	.....	2 46.8	24h, Oct 30
May 2	2 46.4	2 46.3		Oct 31	2 46.9	2 46.9	24h, Nov 4
May 9	2 46.2	2 46.3		Nov 7	2 47.0	2 47.0	24h, Nov 9
May 16	2 46.0	2 46.3		Nov 14	2 47.3	2 47.1	24h, Nov 14
May 23	2 46.1	2 46.3		....	.....	2 47.2	24h, Nov 19
May 30	2 46.4	2 46.3	24h, May 31	Nov 21	2 47.0	2 47.3	
Jun 6	2 46.3	2 46.2		Nov 28	2 47.4	2 47.3	
Jun 13	2 46.3	2 46.2		Dec 5	2 47.3	2 47.3	
Jun 20	2 46.1	2 46.2		Dec 12	2 47.2	2 47.3	
Jun 27	2 46.1	2 46.2		Dec 19	2 48.0	2 47.3	
Jul 4	2 46.0	2 46.2		Dec 26	2 47.3	2 47.3	24h, Dec 31
Jul 11	2 46.5	2 46.2					

Table 6. Abrupt changes in the adopted D base-line value

(West declination reckoned as negative; changes below taken algebraically)

Date	Change from preceding value	Cause of change
	′	
Mar 24, 1936	+ 2.0	Installed control magnet of H-variometer
Apr 7, 1936	+ 2.0	Additional control magnets placed on H-variometer
Aug 31, 1937	+ 0.6	Adjusted Z-variometer
Nov 26, 1937	- 0.8	Adjusted Z temperature-spot
May 31, 1938	+ 8.8	Adjusted D base line
Nov 11, 1938	- 0.7	
Jul 19, 1939	+ 6.3	Adjusted D base line
Sep 8, 1940	+ 0.9	Adjusted Z-variometer
Dec 31, 1940	- 0.4	Adjusted H- and Z-variometers
Dec 31, 1941	+16.3	Adjusted D base line
Apr 26, 1942	+ 7.3	Adjusted D base line
Feb 21, 1943	- 1.9	Adjusted D base line
Apr 26, 1943	+ 0.5	Adjusted Z-variometer temperature-spot

Table 7. Observed base-line values at 20° C for the H variometer, and respective adopted values
Eschenhagen Magnetograph
(Observed values determined with Magnetometer No. 7)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1936	γ	γ		1937	γ	γ	
Jan 7	24568	24566		Jan 5	24517	24511	24h, Jan 11
Jan 14	24564	24566	24h, Jan 15	Jan 12	24511	24510	
Jan 21	24570	24565		Jan 19	24511	24510	
Jan 28	24557	24565	24h, Jan 31	Jan 26	24507	24510	24h, Jan 31
Feb 4	24566	24564		Feb 2	24509	24508	
Feb 11	24567	24564	24h, Feb 15	Feb 9	24508	24508	
Feb 18	24565	24563		Feb 16	24510	24508	
Feb 25	24558	24563	10h, Feb 29	Feb 23	24507	24508	
Mar 3	24534	24542		Mar 2	24504	24508	
Mar 10	24544	24542		Mar 9	24506	24508	
Mar 17	24548	24542	11h, Mar 18	Mar 16	24514	24508	
Mar 24	24516	24512	14h, Mar 24	Mar 23	24504	24508	
...	.....	24492	11h, Mar 28	Mar 30	24508	24508	
Mar 31	24509	24504	11h, Apr 1	Apr 6	24502	24508	
Apr 7	24512	24513	14h, Apr 7	Apr 13	24509	24508	
Apr 14	24498	24501	24h, Apr 20	Apr 20	24508	24508	
Apr 21	24499	24502		Apr 27	24518	24508	
Apr 28	24511	24502	24h, Apr 30	May 4	24504	24508	
May 5	24504	24503	24h, May 10	May 11	24516	24508	
May 12	24497	24504		May 18	24502	24508	
May 19	24509	24504	24h, May 20	May 25	24511	24508	
May 26	24501	24505	24h, May 30	Jun 1	24516	24508	
Jun 3	24514	24506		Jun 8	24510	24508	
Jun 9	24507	24506	24h, Jun 9	Jun 15	24505	24508	
Jun 16	24511	24507	24h, Jun 19	Jun 22	24512	24508	
Jun 23	24506	24508	24h, Jun 29	Jun 29	24515	24508	
Jun 30	24512	24509		Jul 6	24530	24508	
Jul 7	24507	24509		Jul 13	24489	24508	
Jul 14	24511	24509		Jul 20	24501	24508	
Jul 21	24507	24509	24h, Jul 24	Jul 27	24492	24508	
Jul 28	24517	24510		Aug 3	24508	24508	
Aug 4	24505	24510		Aug 10	24497	24508	
Aug 11	24515	24510		Aug 17	24516	24508	
Aug 18	24504	24510	24h, Aug 18	Aug 24	24506	24508	24h, Aug 29
Aug 25	24515	24511		Aug 31	24510	24509	
Sep 1	24507	24511		Sep 7	24493	24509	
Sep 8	24513	24511		Sep 14	24510	24509	
Sep 15	24506	24511		Sep 21	24508	24509	
Sep 22	24503	24511		Sep 28	24518	24509	24h, Sep 28
Sep 29	24509	24511		Oct 5	24502	24510	
Oct 6	24507	24511	24h, Oct 7	Oct 12	24509	24510	
Oct 13	24511	24512		Oct 19	24507	24510	
Oct 20	24520	24512		Oct 26	24521	24510	24h, Oct 28
Oct 27	24517	24512		Nov 2	24520	24511	
Nov 3	24511	24512		Nov 9	24519	24511	
Nov 10	24505	24512		Nov 16	24514	24511	
Nov 17	24516	24512		Nov 23	24504	24511	
Nov 24	24510	24512	24h, Nov 30	Nov 30	24517	24511	
Dec 1	24521	24511		Dec 7	24497	24511	
Dec 8	24507	24511		Dec 8	24499	24511	
Dec 15	24509	24511		Dec 14	24519	24511	
Dec 22	24501	24511		Dec 21	24511	24511	
Dec 29	24513	24511	24h, Dec 31	Dec 28	24511	24511	24h, Dec 31

Table 7. Observed base-line values at 20° C for the H variometer, and respective adopted values--Continued

(Observed values determined with Magnetometer No. 7)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1938	γ	γ		1939	γ	γ	
Jan 4	24511	24512		Jan 3	24520	24517	
Jan 11	24519	24512		Jan 10	24521	24517	
Jan 20	24505	24512		Jan 17	24518	24517	
Jan 25	24535	24512		Jan 24	24516	24517	
Feb 1	24513	24512		Jan 31	24514	24517	24h, Jan 31
Feb 8	24529	24512		Feb 7	24519	24516	
Feb 15	24511	24512		Feb 14	24516	24516	
Feb 22	24513	24512		Feb 21	24512	24516	
Mar 1	24509	24512		Feb 28	24512	24516	
Mar 8	24514	24512		Mar 7	24520	24516	
Mar 15	24516	24512		Mar 14	24509	24516	
Mar 22	24511	24512		Mar 21	24520	24516	
Mar 29	24514	24512	24h, Mar 31	Mar 28	24513	24516	
Apr 5	24509	24511	24h, Apr 10	Apr 4	24522	24516	
Apr 12	24511	24510		Apr 11	24514	24516	
Apr 19	24499	24510	24h, Apr 20	Apr 18	24516	24516	
Apr 26	24507	24509	24h, Apr 30	Apr 26	24522	24516	24h, Apr 30
May 3	24499	24508	24h, May 10	May 2	24510	24515	
May 14	24497	24507		May 9	24512	24515	24h, May 10
May 17	24503	24507	24h, May 20	May 16	24513	24514	24h, May 20
May 24	24495	24506	24h, May 30	May 23	24512	24513	
May 31	24510	24507		May 30	24505	24513	
Jun 7	24509	24507	24h, Jun 9	Jun 6	24510	24513	24h, Jun 10
Jun 14	24511	24508	24h, Jun 19	Jun 13	24518	24514	
Jun 21	24506	24509		Jun 20	24506	24514	24h, Jun 20
Jun 28	24499	24509	24h, Jun 29	Jun 29	24519	24515	
Jul 5	24509	24510	24h, Jul 9	Jul 4	24519	24515	24h, Jul 10
Jul 12	24510	24511		Jul 11	24514	24516	
Jul 19	24512	24511	24h, Jul 19	Jul 18	24514	24516	24h, Jul 20
Jul 26	24515	24512	24h, Jul 29	Jul 25	24525	24517	17h, Jul 31
Aug 2	24507	24513	24h, Aug 8	Aug 1	24495	24505	
Aug 9	24511	24514	10h, Aug 16	Aug 8	24511	24505	
Aug 16	24521	24520		Aug 15	24506	24505	
Aug 23	24519	24520		Aug 22	24502	24505	
Aug 30	24526	24520		Aug 29	24503	24505	
Sep 6	24515	24520		Sep 5	24508	24505	
Sep 13	24519	24520		Sep 12	24507	24505	
Sep 20	24525	24520		Sep 19	24505	24505	
Sep 27	24512	24520		Sep 26	24504	24505	
Oct 4	24506	24519		Oct 3	24502	24505	
Oct 11	24528	24519		Oct 10	24503	24505	
Oct 18	24520	24519		Oct 17	24508	24505	
Oct 25	24532	24519		Oct 24	24508	24505	
Nov 1	24518	24519		Oct 31	24505	24505	
Nov 8	24522	24519		Nov 7	24515	24505	
Nov 15	24527	24519		Nov 14	24505	24505	
Nov 22	24525	24519		Nov 21	24503	24505	
Nov 29	24512	24519	24h, Nov 30	Nov 28	24503	24505	
Dec 6	24519	24518		Dec 5	24511	24505	
Dec 13	24519	24518		Dec 12	24501	24505	
Dec 20	24516	24518		Dec 19	24505	24505	
Dec 27	24510	24518	24h, Dec 31	Dec 26	24504	24505	24h, Dec 31

Table 7. Observed base-line values at 20° C for the H variometer, and respective adopted values--Continued

(Observed values determined with Magnetometer No. 7)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1940	γ	γ		1941	γ	γ	
Jan 2	24505	24506		Jan 2	24563	24561	
Jan 9	24503	24506		Jan 7	24559	24561	
Jan 16	24503	24506	24h, Jan 20	Jan 14	24555	24561	
Jan 23	24510	24507		Jan 21	24562	24561	
Jan 30	24509	24507		Jan 28	24553	24561	
Feb 6	24509	24507	24h, Feb 9	Feb 4	24561	24561	
Feb 13	24505	24508	24h, Feb 19	Feb 11	24557	24561	
Feb 20	24503	24509		Feb 18	24569	24561	
Feb 27	24510	24509	24h, Mar 1	Feb 20	24568	24561	
Mar 5	24515	24510	24h, Mar 11	Feb 25	24559	24561	
Mar 12	24510	24511		Feb 27	24562	24561	24h, Feb 28
Mar 19	24507	24511		Mar 4	24507	24502	
Mar 26	24513	24511		Mar 11	24499	24502	
Apr 2	24512	24510		Mar 18	24503	24502	
Apr 9	24512	24510		Mar 25	24501	24502	
Apr 16	24508	24510	24h, Apr 20	Apr 1	24496	24502	
Apr 23	24508	24509		Apr 8	24505	24502	
Apr 30	24511	24509	24h, Apr 30	Apr 15	24500	24502	
May 7	24510	24508	24h, May 10	Apr 22	24508	24502	
May 14	24503	24507		Apr 29	24506	24502	
May 21	24506	24507		May 6	24506	24502	
May 28	24511	24507		May 13	24503	24502	
Jun 4	24507	24507	24h, Jun 9	May 20	24500	24502	
Jun 11	24508	24508		May 27	24500	24502	
Jun 18	24508	24508	24h, Jun 19	Jun 3	24503	24502	
Jun 25	24512	24509	24h, Jun 29	Jun 10	24499	24502	
Jul 2	24509	24510		Jun 17	24496	24502	
Jul 9	24509	24510		Jun 24	24499	24502	
Jul 16	24517	24510		Jul 1	24500	24502	
Jul 23	24502	24510		Jul 8	24499	24502	
Jul 30	24508	24510		Jul 15	24505	24502	
Aug 6	24514	24510		Jul 22	24507	24502	
Aug 13	24508	24510		Jul 29	24499	24502	
Aug 20	24508	24510		Aug 5	24499	24502	
Aug 27	24512	24510	24h, Aug 31	Aug 12	24507	24502	
Sep 3	24604	24600		Aug 19	24501	24502	
Sep 10	24598	24600		Aug 26	24497	24502	
Sep 14	24606	24600		Sep 2	24493	24502	
Sep 17	24599	24600		Sep 9	24511[a]	24502	
Sep 24	24602	24600		Sep 16	24516	24502	
Oct 1	24599	24600		Sep 23	24508	24502	
Oct 8	24598	24600		Sep 30	24511	24502	24h, Sep 30
Oct 15	24600	24600		Oct 7	24510	24501	
Oct 22	24598	24600		Oct 14	24512	24501	
Oct 29	24598	24600		Oct 21	24508	24501	
Nov 5	24601	24600		Oct 28	24514	24501	
Nov 12	24600	24600		Nov 4	24513	24501	
Nov 19	24602	24600		Nov 11	24498	24501	
Nov 26	24603	24600		Nov 18	24496	24501	
Dec 3	24603	24600		Nov 25	24502	24501	
Dec 10	24603	24600		Dec 2	24500	24501	
Dec 17	24598	24600		Dec 9	24505	24501	
Dec 24	24598	24600		Dec 16	24498	24501	
Dec 31	24597	24600	24h, Dec 31	Dec 23	24503	24501	24h, Dec 31
				Dec 30	24494	24501	

[a]Observed values from September 9 to November 4, 1941, given half weight

Table 7. Observed base-line values at 20° C for the H variometer, and respective adopted values--Continued

(Observed values determined with Magnetometer No. 7)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1942	γ	γ		1943	γ	γ	
Jan 6	24504	24502	24h, Jan 6	Jan 5	24604[a]	24594	
...	.....	24503	24h, Jan 12	Jan 12	24590	24594	
Jan 13	24503	24504	24h, Jan 18	Jan 19	24597	24594	
Jan 20	24502	24505	24h, Jan 24	Jan 26	24593	24594	24h, Jan 31
Jan 27	24507	24506		Feb 2	24605[a]	24595	
Feb 3	24508	24506		Feb 9	24588	24595	
Feb 7	24509	24506		Feb 16	24592	24595	
Feb 10	24511	24506		Feb 23	24594	24595	
Feb 17	24502	24506		Mar 2	24599	24595	
Feb 24	24502	24506		Mar 9	24598	24595	
Mar 3	24504	24506		Mar 16	24599	24595	
Mar 10	24514	24506		Mar 23	24592	24595	
Mar 17	24510	24506		Mar 30	24597	24595	24h, Mar 31
Mar 24	24510	24506		Apr 6	24584	24594	
Mar 31	24498	24506		Apr 13	24601	24594	
Apr 7	24502	24506		Apr 20	24587	24594	
Apr 14	24501	24506		Apr 27	24593	24594	24h, Apr 30
Apr 21	24505	24506		May 4	24588	24592	
Apr 28	24500	24506		May 11	24592	24592	
May 5	24512	24506		May 18	24585	24592	
May 12	24504	24506		May 25	24595	24592	
May 19	24499	24506		Jun 1	24590	24592	
May 26	24508	24506		Jun 8	24590	24592	
Jun 2	24504	24506		Jun 15	24600	24592	
Jun 9	24512	24506		Jun 22	24607[a]	24592	
Jun 16	24508	24506		Jun 29	24585	24592	
Jun 23	24504	24506		Jul 6	24593	24592	
Jun 30	24509	24506	24h, Jun 30	Jul 13	24586	24592	
Jul 3	24595	24594		Jul 20	24601	24592	
Jul 7	24592	24594		Jul 27	24592	24592	24h, Jul 31
Jul 14	24588	24594		Aug 3	24598	24593	
Jul 21	24592	24594		Aug 10	24591	24593	24h, Aug 10
Jul 28	24598	24594		Aug 17	24606[a]	24594	24h, Aug 20
Aug 4	24590	24594		Aug 24	24592	24595	24h, Aug 30
Aug 11	24595	24594		Aug 31	24591	24596	
Aug 18	24598	24594		Sep 7	24600	24596	24h, Sep 9
Aug 25	24598	24594	24h, Aug 31	Sep 14	24592	24597	24h, Sep 19
Sep 1	24597	24593		Sep 21	24596	24598	
Sep 8	24593	24593		Sep 28	24604	24598	
Sep 15	24597	24593		Oct 5	24606	24598	
Sep 22	24595	24593		Oct 12	24605	24598	
Sep 29	24589	24593		Oct 19	24600	24598	
Oct 6	24597	24593		Oct 26	24598	24598	
Oct 13	24590	24593		Nov 2	24598	24598	
Oct 20	24595	24593		Nov 9	24590	24598	
Oct 27	24591	24593		Nov 16	24600	24598	
Nov 3	24602	24593		Nov 23	24594	24598	
Nov 10	24587	24593		Nov 30	24595	24598	
Nov 17	24589	24593		Dec 7	24600	24598	
Nov 24	24594	24593		Dec 14	24593	24598	
Dec 1	24599	24593		Dec 21	24590	24598	
Dec 8	24593	24593		Dec 28	24605[a]	24598	24h, Dec 31
Dec 15	24587	24593					
Dec 22	24587	24593					
Dec 29	24592	24593	24h, Dec 31				

[a]Observations given half weight

Table 7. Observed base-line values at 20° C for the H variometer, and respective adopted values--Concluded

(Observed values determined with Magnetometer No. 7)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1944	γ	γ		1944	γ	γ	
Jan 4	24596	24597		Jul 4	24604	24599	
Jan 11	24596	24597	24h, Jan 15	Jul 11	24600	24599	
Jan 18	24596	24596		Jul 18	24594	24599	
Jan 25	24588	24596	24h, Jan 31	Jul 25	24596	24599	24h, Jul 31
Feb 1	24592	24595		Aug 1	24600	24600	
Feb 8	24603	24595		Aug 8	24605	24600	
Feb 15	24597	24595		Aug 15	24598	24600	
Feb 22	24608	24595		Aug 22	24602	24600	
Feb 29	24583	24595		Aug 29	24596	24600	24h, Aug 31
Mar 7	24590	24595		Sep 5	24604	24601	
Mar 14	24596	24595		Sep 12	24602	24601	
Mar 21	24596	24595		Sep 19	24600	24601	
Mar 28	24600	24595		Sep 26	24606	24601	24h, Sep 30
Apr 4	24594	24595		Oct 3	24596	24600	
Apr 11	24598	24595		Oct 10	24596	24600	24h, Oct 15
Apr 18	24594	24595		Oct 17	24602	24599	
Apr 25	24596	24595		Oct 24	24596	24599	
May 2	24600	24595		Oct 31	24600	24599	24h, Oct 31
May 9	24586	24595		Nov 7	24598	24598	
May 16	24600	24595		Nov 14	24598	24598	
May 23	24592	24595		Nov 21	24602	24598	
May 30	24595	24595	24h, May 31	Nov 28	24600	24598	
Jun 6	24594	24596	24h, Jun 10	Dec 5	24597	24598	
Jun 13	24593	24597		Dec 12	24600	24598	
Jun 20	24600	24597	24h, Jun 20	Dec 19	24595	24598	
Jun 27	24601	24598	24h, Jun 30	Dec 26	24604	24598	24h, Dec 31

Table 8. Abrupt changes in the adopted H base-line value

(Horizontal intensity is reckoned as positive; changes below taken algebraically)

Date	Change from preceding value	Cause of change
	γ	
Feb 29, 1936	-21	Adjusted H-magnet to magnetic prime vertical
Mar 18, 1936	-30	Adjusted H-variometer to alter sensitivity
Mar 24, 1936	-20	Control magnets placed on H-variometer
Mar 28, 1936	+12	Adjusted H base line; tested orientation of H-magnet
Apr 1, 1936	+ 9	Reset H-magnet in magnetic prime vertical
Apr 7, 1936	-12	Additional control magnets placed on H-variometer
Aug 16, 1938	+ 6	Determined scale value of H-variometer
July 31, 1939	-12	Adjusted H temperature-spot
Aug 31, 1940	+90	Changed torsion head to alter position of trace
Dec 31, 1940	-39	Changed torsion head to alter position of trace
Feb 28, 1941	-59	Changed torsion head to alter position of trace
June 30, 1942	+88	Changed torsion head to alter position of trace

Table 9. Observed base-line values at 20° C for the Z variometer, and respective adopted values
Eschenhagen Magnetograph
(Based on inclination observations with Earth Inductor No. 2)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1936	γ	γ		1937	γ	γ	
Jan 7	-51096	-51099	(1 gamma de-	Jan 5	-51259	-51255	
Jan 14	51102	51097	crease daily	Jan 12	51253	51255	17h, Jan 15
Jan 21	51090	51094	for Jan 1-6;	Jan 19	51249	51243	
Jan 28	51094	51092	1 gamma	Jan 26	51249	51243	
Feb 4	51085	51090	every	Feb 2	51243	51243	
Feb 11	51092	51088	three days,	Feb 9	51237	51243	
Feb 18	51080	51085	Jan 7-Mar 18)	Feb 16	51240	51243	
Feb 25	51088	51083		Feb 23	51251	51243	
Mar 3	51072	51080		Mar 2	51246	51243	
Mar 10	51082	51078		Mar 9	51240	51243	
Mar 17	51074	51076	17h, Mar 18	Mar 16	51235	51243	
Mar 24	51093	51093		Mar 23	51245	51243	
Mar 31	51098	51093		Mar 30	51239	51243	
Apr 7	51088	51093	14h, Apr 7	Apr 6	51244	51243	
Apr 14	51102	51106		Apr 14	51249	51243	
Apr 21	51109	51106	11h, Apr 24	Apr 20	51246	51243	
Apr 28	51087	51087	21h, Apr 30	Apr 27	51249	51243	
May 5	51274	51275		May 4	51242	51243	
May 12	51277	51275		May 11	51243	51243	
May 19	51275	51275	8h, May 22	May 18	51234	51243	
May 26	51269	51267		May 25	51235	51243	
Jun 3	51267	51267		Jun 1	51239	51243	8h, Jun 4
Jun 9	51266	51267	11h, Jun 15	Jun 8	51259	51250	
Jun 16	51261	51261		Jun 15	51241	51250	
Jun 23	51263	51261		Jun 22	51250	51250	
Jun 30	51259	51261		Jun 29	51251	51250	
Jul 7	51265	51261		Jul 6	51251	51249	
Jul 14	51261	51261		Jul 13	51250	51249	
Jul 21	51261	51261		Jul 20	51250	51249	
Jul 28	51264	51261		Jul 27	51246	51249	
Aug 4	51260	51261		Aug 3	51247	51249	
Aug 11	51259	51261		Aug 10	51243	51249	
Aug 18	51257	51261	8h, Aug 20	Aug 17	51256	51249	
Aug 25	51266	51267		Aug 24	51246	51249	
Sep 1	51265	51267		Aug 31	51248	51249	22h, Aug 31
Sep 8	51269	51267	14h, Sep 8	Sep 7	51238	51238	
Sep 15	51317	51320		Sep 14	51240	51238	
Sep 22	51323	51320	8h, Sep 26	Sep 21	51240	51238	
Sep 29	51309	51309	21h, Sep 30	Sep 28	51241	51238	
Oct 6	51250	51250	8h, Oct 10	Oct 5	51236	51238	
Oct 13	51258	51259		Oct 12	51239	51238	
Oct 20	51262	51259		Oct 19	51247	51238	
Oct 27	51256	51259		Oct 26	51232	51238	
Nov 3	51256	51259		Nov 2	51229	51238	
Nov 10	51260	51259		Nov 9	51234	51238	
Nov 17	51258	51259		Nov 16	51238	51238	
Nov 24	51261	51259		Nov 23	51233	51238	22h, Nov 26
Dec 1	51260	51259	8h, Dec 6	Nov 30	51303	51292	
Dec 8	51254	51255		Dec 7	51296	51292	
Dec 15	51254	51255		Dec 8	51297	51292	
Dec 22	51256	51255		Dec 14	51285	51292	
Dec 29	51253	51255	24h, Dec 31	Dec 21	51279	51292	
				Dec 28	51287	51292	24h, Dec 31

Table 9. Observed base-line values at 20° C for the Z variometer, and respective adopted values--Continued

(Based on inclination observations with Earth Inductor No. 2)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1938	γ	γ		1939	γ	γ	
Jan 4	- 51301	- 51291	24h, Jan 10	Jan 3	- 51282	- 51279	
Jan 11	51287	51290		Jan 10	51277	51279	8h, Jan 12
Jan 20	51293	51290	24h, Jan 20	Jan 17	51272	51276	24h, Jan 21
Jan 25	51297	51289	24h, Jan 30	Jan 24	51278	51275	
Feb 1	51279	51288		Jan 31	51270	51275	24h, Jan 31
Feb 8	51279	51288	24h, Feb 9	Feb 7	51275	51274	24h, Feb 10
Feb 17	51287	51287	24h, Feb 19	Feb 14	51264	51273	24h, Feb 20
Feb 22	51298	51286		Feb 21	51267	51272	
Mar 1	51283	51286		Feb 28	51272	51272	24h, Mar 2
Mar 8	51289	51286		Mar 7	51268	51271	24h, Mar 12
Mar 15	51277	51286		Mar 14	51274	51270	
Mar 22	51285	51286		Mar 21	51270	51270	24h, Mar 22
Mar 29	51291	51286		Mar 28	51268	51269	24h, Apr 1
Apr 5	51284	51285		Apr 4	51262	51268	
Apr 12	51284	51285		Apr 11	51284	51268	
Apr 19	51278	51285		Apr 18	51268	51268	13h, Apr 20
Apr 26	51290	51285		Apr 26	51277	51270	
May 3	51286	51285		May 2	51267	51270	
May 14	51289	51285		May 9	51263	51270	
May 17	51288	51285		May 16	51269	51270	
May 24	51285	51285		May 23	51274	51270	
May 31	51286	51285	24h, May 31	May 30	51264	51270	
Jun 7	51278	51270		Jun 6	51265	51270	
Jun 14	51262	51270		Jun 13	51273	51270	
Jun 21	51270	51270		Jun 20	51275	51270	
Jun 28	51267	51270		Jun 27	51270	51270	
Jul 5	51278	51270		Jul 4	51269	51270	24h, Jul 5
Jul 12	51269	51270		Jul 11	51266	51266	
Jul 26	51268	51270		Jul 18	51265	51266	
Aug 2	51268	51270		Jul 25	51277	51266	
Aug 9	51278	51270		Aug 1	51269	51266	
Aug 16	51264	51270	15h, Aug 19	Aug 8	51269	51266	
Aug 23	51275	51274		Aug 15	51273	51266	
Aug 30	51273	51274		Aug 22	51261	51266	
Sep 6	51273	51274		Aug 29	51265	51266	
Sep 13	51275	51274		Sep 5	51267	51266	
Sep 20	51270	51274		Sep 12	51265	51266	
Sep 27	51274	51274		Sep 19	51263	51266	
Oct 4	51271	51274		Sep 26	51263	51266	
Oct 11	51276	51274	14h, Oct 17	Oct 3	51270	51266	
Oct 18	51283	51281		Oct 10	51262	51266	
Oct 25	51281	51281		Oct 17	51255	51266	
Nov 1	51280	51281		Oct 24	51261	51266	8h, Oct 25
Nov 8	51277	51281	20h, Nov 11	Oct 31	51261	51260	
Nov 15	51295	51287		Nov 7	51264	51260	
Nov 22	51281	51287		Nov 14	51255	51260	
Nov 29	51289	51287		Nov 21	51260	51260	
Dec 6	51283	51287	8h, Dec 7	Nov 28	51256	51260	
Dec 13	51280	51283		Dec 5	51261	51260	
Dec 20	51288	51283	20h, Dec 20	Dec 12	51252	51260	
Dec 26	51272	51281		Dec 19	51266	51260	
Dec 27	51291	51281	24h, Dec 31	Dec 26	51262	51260	24h, Dec 31

Table 9. Observed base-line values at 20° C for the Z variometer, and respective adopted values--Continued

(Based on inclination observations with Earth Inductor No. 2)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1940	γ	γ		1941	γ	γ	
Jan 2	-51268	-51267	(1 gamma	Jan 2	-51343	-51344	
Jan 9	51273	51268	change	Jan 7	51347	51344	
Jan 16	51270	51270	every five	Jan 14	51345	51344	24h, Jan 19
Jan 23	51272	51271	days for	Jan 21	51345	51343	24h, Jan 24
Jan 30	51270	51272	Jan 1 to	Jan 28	51340	51342	24h, Jan 29
Feb 6	51264	51273	Jul 28)	Feb 4	51353	51340	
Feb 13	51267	51274		Feb 11	51339	51340	
Feb 20	51274	51275		Feb 18	51340	51340	
Feb 27	51270	51277		Feb 25	51330	51340	24h, Feb 28
Mar 5	51280	51278		Mar 4	51250	51237	
Mar 12	51279	51280		Mar 11	51235	51237	
Mar 19	51285	51281		Mar 18	51238	51237	
Mar 26	51281	51282		Mar 25	51237	51237	
Apr 2	51271	51281		Apr 1	51233	51237	
Apr 9	51286	51280		Apr 8	51234	51237	
Apr 10	51283	51280		Apr 15	51244	51237	
Apr 16	51277	51278		Apr 22	51242	51237	
Apr 23	51287	51277		Apr 29	51240	51237	
Apr 30	51287	51276		May 6	51238	51237	
May 8	51273	51274		May 13	51232	51237	
May 14	51265	51273		May 20	51229	51237	
May 21	51261	51271		May 27	51239	51237	24h, May 31
May 28	51269	51270		Jun 3	51403	51398	
Jun 4	51270	51268		Jun 10	51409	51398	
Jun 11	51259	51266		Jun 17	51405	51398	
Jun 18	51257	51265		Jun 24	51409	51398	
Jun 25	51270	51265		Jul 1	51394	51398	
Jul 2	51284	51266		Jul 8	51403	51398	
Jul 9	51282	51268		Jul 15	51390	51398	
Jul 16	51266	51269		Jul 22	51380	51398	
Jul 23	51275	51270	24h, Jul 28	Jul 29	51413	51398	
Aug 6	51262	51272	24h, Aug 7	Aug 5	51392	51398	
Aug 13	51274	51273		Aug 12	51407	51398	
Aug 20	51274	51273		Aug 19	51406	51398	
Aug 27	51276	51273	24h, Aug 27	Aug 26	51417	51398	
Sep 3	51270	51272		Sep 2	51404	51398	
Sep 7	51270	51272	20h, Sep 8	Sep 9	51400	51398	
Sep 10	51392	51404	(1 gamma	Sep 16	51393	51398	
Sep 14	51406	51405	change	Sep 23	51383	51398	
Sep 17	51400	51405	every five	Sep 30	51411	51398	
Sep 24	51405	51407	days for	Oct 7	51397	51398	
Oct 1	51402	51408	Sep 9 to	Oct 14	51381	51398	
Oct 8	51393	51409	Dec 11)	Oct 21	51391	51398	
Oct 10	51411	51410		Oct 28	51394	51398	
Oct 15	51418	51411		Nov 4	51405	51398	
Oct 22	51412	51412		Nov 11	51396	51398	
Oct 29	51429	51414		Nov 18	51401	51398	
Nov 5	51427	51414		Nov 25	51391	51398	
Nov 19	51416	51417		Dec 2	51371	51398	
Nov 26	51425	51418		Dec 9	51399	51398	
Dec 3	51408	51417		Dec 16	51394	51398	
Dec 10	51421	51416	24h, Dec 11	Dec 23	51400	51398	
Dec 17	51416	51415		Dec 30	51399	51398	24h, Dec 31
Dec 24	51419	51415					
Dec 31	51415	51415	24h, Dec 31				

Table 9. Observed base-line values at 20° C for the Z variometer, and respective adopted values--Continued

(Based on inclination observations with Earth Inductor No. 2)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1942	γ	γ		1943	γ	γ	
Jan 6	- 51404	- 51398	(1 gamma	Jan 5	- 51413	- 51401	(1 gamma
Jan 13	51408	51399	increase	Jan 12	51400	51403	decrease
Jan 20	51393	51400	every five	Jan 19	51415	51404	every five
Jan 27	51396	51402	days for	Jan 26	51394	51406	days for
Feb 3	51404	51402	Jan 1 to 25)	Feb 2	51417	51407	Jan 1 to
Feb 7	51406	51402		Feb 9	51406	51408	Mar 21)
Feb 10	51390	51402		Feb 16	51417	51410	
Feb 17	51398	51402		Feb 23	51407	51411	
Feb 24	51418	51402		Mar 2	51404	51413	
Mar 3	51400	51402		Mar 9	51408	51414	
Mar 10	51403	51402		Mar 16	51414	51415	24h, Mar 21
Mar 17	51400	51402		Mar 23	51401	51417	
Mar 24	51400	51402		Mar 30	51424	51417	
Mar 31	51406	51402		Apr 6	51397	51417	
Apr 7	51400	51402		Apr 13	51416	51417	24h, Apr 15
Apr 14	51406	51402		Apr 20	51428	51418	
Apr 21	51402	51402	20h, Apr 24	Apr 27	51418	51418	
...	.....	51399	11h, Apr 25	May 4	51434	51418	
Apr 25	51392	51408	20h, Apr 26	May 11	51422	51418	
Apr 28	51381	51402		May 18	51404	51418	
May 5	51395	51402		May 25	51414	51418	
May 12	51409	51402		Jun 1	51428	51418	
May 19	51404	51402		Jun 8	51420	51418	24h, Jun 10
May 26	51412	51402	20h, May 28	Jun 11	51488	51489	
Jun 2	51421	51413		Jun 15	51486	51489	
Jun 9	51419	51413		Jun 22	51499	51489	
Jun 16	51414	51413		Jun 29	51492	51489	
Jun 23	51407	51413		Jul 6	51487	51489	
Jun 30	51403	51413		Jul 13	51491	51489	
Jul 7	51417	51413	20h, Jul 12	Jul 20	51491	51489	
Jul 14	51402	51398		Jul 27	51488	51489	
Jul 21	51395	51398	20h, Jul 27	Aug 3	51485	51489	
Jul 28	51397	51394		Aug 10	51486	51489	24h, Aug 13
Aug 4	51391	51394	14h, Aug 8	Aug 17	51486	51494	
Aug 11	51407	51407		Aug 24	51487	51494	
Aug 18	51407	51407	15h, Aug 18	Aug 31	51502	51494	
Aug 25	51413	51415		Sep 7	51494	51494	
Sep 1	51430	51415		Sep 14	51477	51494	
Sep 8	51418	51415		Sep 21	51496	51494	
Sep 15	51421	51415		Sep 28	51499	51494	
Sep 22	51428	51415		Oct 5	51498	51494	
Sep 29	51410	51415		Oct 12	51496	51494	
Oct 6	51400	51415		Oct 19	51500	51494	
Oct 13	51417	51415		Oct 26	51492	51494	
Oct 20	51394	51415		Nov 2	51487	51493	
Oct 27	51418	51415		Nov 16	51508	51493	
Nov 3	51418	51415	24h, Nov 9	Nov 23	51503	51493	
Nov 10	51402	51401		Nov 30	51484	51493	
Nov 17	51402	51401		Dec 7	51496	51493	
Nov 24	51394	51401		Dec 14	51493	51493	
Dec 1	51396	51401		Dec 21	51382	51493	
Dec 8	51404	51401		Dec 28	51502	51493	
Dec 22	51413	51401					
Dec 29	51401	51401	24h, Dec 31				

Table 9. Observed base-line values at 20° C for the Z variometer, and respective adopted values--Concluded

(Based on inclination observations with Earth Inductor No. 2)

Date	Observed	Adopted	Adopted value used to	Date	Observed	Adopted	Adopted value used to
1944	γ	γ		1944	γ	γ	
Jan 4	-51497	-51490		Jul 11	-51486	-51488	(1 gamma de-
Jan 11	51484	51490	24h, Jan 20	Jul 18	51484	51486	crease every
Jan 25	51496	51488	(1 gamma	Jul 25	51479	51485	four days,
Feb 8	51472	51485	decrease	Aug 1	51488	51483	Jul 6-Aug 30)
Feb 15	51488	51483	every four	Aug 8	51483	51481	
Feb 22	51476	51481	four days,	Aug 15	51482	51479	
Feb 29	51483	51480	Jan 21 to	Aug 22	51480	51478	
Mar 7	51490	51480	Feb 15)	Aug 29	51480	51476	24h, Aug 30
Mar 14	51477	51480		Sep 5	51477	51475	
Mar 21	51475	51480		Sep 12	51466	51475	20h, Sep 15
Mar 28	51482	51480		Sep 19	51488	51493	
Apr 4	51472	51480	24h, Apr 6	Sep 26	51498	51493	
Apr 11	51485	51482	(1 gamma in-	Oct 3	51485	51493	
Apr 18	51468	51483	crease every	Oct 10	51495	51493	
Apr 25	51481	51485	four days,	Oct 12	51497	51493	
May 2	51500	51487	Apr 7-May 12)	Oct 13	51498	51493	
May 9	51488	51489	24h, May 12	Oct 17	51484	51493	
May 16	51494	51490		Oct 24	51489	51493	
May 23	51494	51490		Oct 31	51501	51493	20h, Oct 31
May 30	51500	51490		Nov 7	51468	51474	
Jun 6	51484	51490		Nov 14	51475	51474	
Jun 13	51490	51490		Nov 21	51476	51474	
Jun 20	51496	51490		Nov 28	51478	51474	
Jun 27	51491	51490		Dec 5	51478	51474	
Jul 4	51488	51490	24h, Jul 5	Dec 12	51473	51474	
				Dec 26	51470	51474	24h, Dec 31

Table 10. Abrupt changes in the adopted Z base-line value

(Vertical intensity is reckoned as negative since north-seeking end of the needle is above the horizontal; changes below are taken algebraically)

Date	Change from preceding value	Cause of change
1936	γ	
Mar 18	- 17	Adjusting H variometer
Apr 7	- 13	Placed control magnets on H variometer
Apr 24	+ 19	Adjusted Z temperature-spot
Apr 30	-188	Adjusted Z trace and temperature-spots
May 22	+ 8	Unknown
Jun 15	+ 6	Adjusted Z temperature-spot
Aug 20	- 6	Unknown
Sep 8	- 53	Observations for H scale-value
Sep 26	+ 11	Unknown
Sep 30	+ 59	Adjusted Z trace and temperature-spots
Oct 10	- 9	Unknown
Dec 6	+ 4	Unknown
1937		
Jan 15	+ 12	Working on power supply to magnetograph
Jun 4	- 7	Adjusted H variometer
Aug 31	+ 11	Adjusted Z variometer
Nov 26	- 54	Adjusted Z temperature-spot
1938		
May 31	+ 15	Adjusted Z temperature-spot
Aug 19	- 4	Observations for H scale-value
Oct 17	- 7	Observations for H scale-value
Nov 11	- 6	Unknown
Dec 7	+ 4	Unknown
Dec 20	+ 2	Observations for H scale-value
1939	γ	
Jan 12	+ 3	Replaced recorder lamp
Apr 20	- 2	Observations for H scale-value
Jul 5	+ 4	Unknown
Oct 25	+ 6	Working on recorder clock
Dec 31	- 7	Unknown
1940		
Sep 8	-132	Adjusted position of Z spot
Dec 31	+ 71	Adjusted position of Z spot
1941		
Feb 28	+103	Adjusted position of Z spot
May 31	-161	Adjusted position of Z spot
1942		
Apr 24	+ 3	Unknown
Apr 25	- 9	Adjusted Z temperature-spot
Apr 26	+ 6	Adjusted D base line
May 28	- 11	Adjusted Z temperature-spot
Jul 12	+ 15	Unknown
Jul 27	+ 4	Unknown
Aug 8	- 13	Unknown
Aug 18	- 8	Observations for H scale-value
Nov 9	+ 14	Unknown
1943		
Jun 10	- 71	Adjusted position of Z spot
Aug 13	- 5	Unknown
1944		
Sep 15	- 18	Observations for H scale-value
Oct 31	+ 19	Observations for H scale-value

Table 11. Summary of monthly means for 1936

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--120° East MT							Ten least-disturbed days--120° East MT						
Jan	-3 40.0	-64 21.21	24660	24610	-1577	-51363	56976	-3 40.0	-64 20.74	24668	24617	-1578	-51361	56978
Feb	-3 39.4	-64 21.73	24649	24599	-1572	-51360	56968	-3 39.2	-64 21.35	24656	24605	-1571	-51359	56970
Mar	-3 38.6	-64 21.68	24650	24601	-1566	-51361	56970	-3 38.6	-64 21.19	24659	24609	-1567	-51360	56973
Apr	-3 38.0	-64 22.41	24641	24592	-1561	-51369	56974	-3 37.8	-64 21.95	24648	24599	-1561	-51367	56975
May	-3 37.4	-64 21.81	24653	24604	-1558	-51371	56980	-3 37.5	-64 21.54	24657	24607	-1559	-51369	56980
Jun	-3 37.0	-64 21.97	24652	24603	-1555	-51376	56984	-3 37.0	-64 21.68	24657	24608	-1556	-51375	56986
Jul	-3 36.6	-64 21.96	24653	24604	-1552	-51377	56986	-3 36.5	-64 21.54	24660	24611	-1552	-51375	56987
Aug	-3 36.1	-64 21.33	24664	24615	-1550	-51376	56989	-3 36.3	-64 21.28	24665	24616	-1550	-51376	56990
Sep	-3 35.8	-64 21.17	24666	24617	-1548	-51373	56988	-3 35.8	-64 21.07	24668	24620	-1548	-51375	56990
Oct	-3 35.6	-64 21.60	24662	24614	-1545	-51382	56995	-3 35.4	-64 21.20	24668	24620	-1545	-51380	56995
Nov	-3 35.2	-64 21.81	24664	24616	-1543	-51395	56007	-3 35.1	-64 21.55	24669	24621	-1542	-51394	57008
Dec	-3 34.9	-64 21.28	24674	24626	-1541	-51394	57010	-3 34.7	-64 20.88	24679	24631	-1540	-51390	57009
I	-3 37.4	-64 21.51	24662	24613	-1558	-51378	56990	-3 37.3	-64 21.13	24668	24618	-1558	-51376	56991
II	-3 37.0	-64 21.72	24655	24606	-1555	-51371	56982	-3 36.9	-64 21.35	24661	24612	-1555	-51370	56983
III	-3 36.8	-64 21.77	24656	24606	-1554	-51375	56985	-3 36.8	-64 21.51	24660	24610	-1554	-51374	56986
Year	-3 37.0	-64 21.66	24657	24608	-1556	-51375	56986	-3 37.0	-64 21.33	24663	24614	-1556	-51373	56987
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	-3 40.2	-64 20.48	24671	24620	-1579	-51358	56976	-3 40.3	-64 21.61	24653	24603	-1578	-51364	56974
Feb	-3 39.4	-64 21.27	24657	24607	-1572	-51358	56971	-3 40.0	-64 22.47	24637	24586	-1575	-51362	56966
Mar	-3 38.8	-64 20.66	24667	24617	-1569	-51355	56972	-3 38.6	-64 22.77	24633	24583	-1565	-51366	56967
Apr	-3 37.9	-64 21.78	24651	24601	-1561	-51366	56974	-3 37.8	-64 23.84	24616	24566	-1559	-51371	56964
May	-3 37.4	-64 21.33	24659	24610	-1558	-51366	56978	-3 37.0	-64 22.26	24646	24597	-1555	-51374	56980
Jun	-3 36.9	-64 21.42	24662	24612	-1555	-51374	56986	-3 37.1	-64 23.11	24634	24585	-1554	-51380	56981
Jul	-3 36.5	-64 21.50	24661	24612	-1552	-51375	56988	-3 36.8	-64 23.06	24636	24586	-1553	-51383	56983
Aug	-3 36.3	-64 21.13	24667	24618	-1551	-51375	56990	-3 36.2	-64 21.80	24656	24607	-1549	-51377	56987
Sep	-3 35.8	-64 20.98	24670	24621	-1547	-51374	56990	-3 35.8	-64 21.68	24655	24606	-1547	-51370	56981
Oct	-3 35.3	-64 21.05	24671	24623	-1544	-51379	56996	-3 36.0	-64 22.89	24644	24595	-1547	-51393	56996
Nov	-3 35.0	-64 21.14	24676	24628	-1542	-51393	57010	-3 35.3	-64 22.48	24654	24606	-1543	-51398	57005
Dec	-3 34.6	-64 20.86	24680	24632	-1540	-51391	57010	-3 35.0	-64 21.46	24671	24623	-1542	-51396	57011
I	-3 37.3	-64 20.94	24671	24622	-1558	-51375	56992	-3 37.6	-64 22.00	24654	24604	-1560	-51380	56989
II	-3 36.9	-64 21.12	24665	24616	-1555	-51368	56983	-3 37.1	-64 22.80	24637	24588	-1554	-51375	56977
III	-3 36.8	-64 21.34	24662	24613	-1554	-51372	56986	-3 36.8	-64 22.56	24643	24594	-1553	-51378	56983
Year	-3 37.0	-64 21.13	24666	24617	-1556	-51372	56987	-3 37.2	-64 22.45	24645	24595	-1556	-51378	56983

Table 12. Summary of monthly means for 1937

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--120° East MT							Ten least-disturbed days--120° East MT						
Jan	-3 34.2	-64 21.27	24672	24624	-1536	-51390	57006	-3 34.0	-64 21.02	24676	24628	-1535	-51388	57005
Feb	-3 33.9	-64 22.14	24658	24610	-1533	-51394	57003	-3 33.6	-64 21.78	24663	24615	-1532	-51390	57001
Mar	-3 33.1	-64 22.15	24657	24610	-1528	-51393	57002	-3 33.2	-64 21.99	24660	24612	-1528	-51392	57002
Apr	-3 32.6	-64 22.83	24649	24602	-1524	-51402	57006	-3 32.6	-64 21.78	24666	24619	-1525	-51397	57010
May	-3 32.1	-64 23.34	24647	24600	-1520	-51417	57019	-3 32.2	-64 22.99	24652	24605	-1521	-51414	57019
Jun	-3 31.7	-64 22.81	24654	24607	-1517	-51411	57017	-3 31.8	-64 22.75	24657	24610	-1518	-51416	57022
Jul	-3 31.4	-64 22.53	24656	24609	-1515	-51404	57011	-3 31.4	-64 22.30	24659	24613	-1516	-51403	57012
Aug	-3 30.9	-64 22.83	24649	24603	-1512	-51402	57006	-3 31.0	-64 22.57	24653	24607	-1512	-51401	57007
Sep	-3 30.4	-64 22.21	24658	24612	-1508	-51397	57006	-3 30.4	-64 22.15	24659	24612	-1509	-51396	57005
Oct	-3 30.4	-64 23.54	24642	24595	-1507	-51413	57013	-3 30.0	-64 22.62	24657	24611	-1506	-51411	57019
Nov	-3 29.9	-64 22.35	24668	24622	-1506	-51422	57032	-3 29.4	-64 21.91	24674	24628	-1502	-51418	57032
Dec	-3 30.1	-64 22.39	24670	24624	-1507	-51428	57039	-3 29.8	-64 21.93	24677	24631	-1505	-51426	57041
I	-3 32.0	-64 22.04	24667	24620	-1520	-51408	57020	-3 31.7	-64 21.66	24672	24626	-1518	-51406	57020
II	-3 31.6	-64 22.68	24652	24605	-1517	-51401	57007	-3 31.6	-64 22.14	24660	24614	-1517	-51399	57009
III	-3 31.5	-64 22.88	24652	24605	-1516	-51408	57013	-3 31.6	-64 22.65	24655	24609	-1517	-51408	57015
Year	-3 31.7	-64 22.53	24657	24610	-1518	-51406	57013	-3 31.6	-64 22.15	24663	24616	-1517	-51404	57015
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	-3 34.1	-64 21.11	24674	24626	-1536	-51388	57005	-3 34.5	-64 21.23	24674	24626	-1539	-51393	57010
Feb	-3 33.6	-64 21.74	24662	24615	-1531	-51388	57000	-3 34.1	-64 22.58	24652	24604	-1534	-51397	57003
Mar	-3 33.3	-64 21.62	24666	24618	-1530	-51390	57003	-3 33.3	-64 23.45	24636	24589	-1527	-51399	56999
Apr	-3 32.5	-64 21.41	24672	24625	-1524	-51396	57011	-3 32.3	-64 25.92	24598	24552	-1518	-51415	56996
May	-3 32.2	-64 22.93	24653	24606	-1521	-51413	57018	-3 32.0	-64 24.76	24625	24578	-1517	-51425	57017
Jun	-3 31.7	-64 22.44	24661	24614	-1518	-51411	57020	-3 31.5	-64 23.22	24645	24598	-1515	-51408	57010
Jul	-3 31.2	-64 22.33	24659	24613	-1514	-51404	57012	-3 31.4	-64 23.39	24640	24594	-1514	-51405	57005
Aug	-3 30.8	-64 22.72	24650	24604	-1510	-51399	57004	-3 30.8	-64 24.98	24615	24568	-1509	-51413	57001
Sep	-3 30.3	-64 22.25	24658	24612	-1508	-51398	57006	-3 30.3	-64 22.37	24655	24609	-1507	-51396	57004
Oct	-3 30.1	-64 22.49	24661	24615	-1506	-51414	57022	-3 30.6	-64 25.08	24614	24568	-1507	-51416	57004
Nov	-3 29.7	-64 21.49	24679	24633	-1504	-51412	57029	-3 30.9	-64 23.41	24652	24605	-1511	-51429	57032
Dec	-3 29.7	-64 21.97	24676	24631	-1504	-51426	57040	-3 30.8	-64 23.44	24653	24606	-1511	-51433	57036
I	-3 31.8	-64 21.58	24673	24626	-1519	-51404	57018	-3 32.6	-64 22.66	24658	24610	-1524	-51413	57020
II	-3 31.6	-64 21.94	24664	24618	-1517	-51400	57010	-3 31.6	-64 24.20	24626	24580	-1515	-51406	57001
III	-3 31.5	-64 22.60	24656	24609	-1516	-51407	57014	-3 31.4	-64 24.09	24631	24584	-1514	-51413	57008
Year	-3 31.6	-64 22.04	24664	24618	-1517	-51403	57014	-3 31.9	-64 23.65	24638	24591	-1517	-51411	57010

Table 13. Summary of monthly means for 1938

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--120° East MT							Ten least-disturbed days--120° East MT						
Jan	-3 29.4	-64 23.78	24648	24602	-1500	-51436	57037	-3 29.0	-64 22.54	24667	24622	-1499	-51429	57039
Feb	-3 28.4	-64 23.40	24655	24609	-1494	-51436	57039	-3 28.2	-64 23.08	24659	24614	-1493	-51432	57038
Mar	-3 27.9	-64 23.12	24657	24612	-1490	-51430	57035	-3 27.9	-64 22.52	24667	24622	-1491	-51427	57037
Apr	-3 27.3	-64 23.72	24649	24604	-1486	-51436	57038	-3 27.2	-64 22.95	24662	24617	-1485	-51434	57041
May	-3 26.9	-64 23.99	24646	24601	-1482	-51440	57040	-3 26.7	-64 23.25	24659	24614	-1482	-51438	57044
Jun[a]	-3 26.0	-64 22.65	24666	24622	-1477	-51431	57040	-3 25.9	-64 22.45	24670	24626	-1477	-51432	57042
Jul	-3 25.8	-64 23.31	24657	24613	-1475	-51438	57042	-3 25.7	-64 22.87	24665	24621	-1475	-51437	57045
Aug	-3 25.4	-64 23.06	24665	24621	-1473	-51443	57050	-3 25.3	-64 22.52	24674	24630	-1473	-51442	57054
Sep	-3 25.0	-64 23.27	24664	24620	-1470	-51449	57055	-3 25.0	-64 22.61	24674	24630	-1471	-51446	57057
Oct	-3 24.5	-64 23.58	24663	24620	-1466	-51460	57065	-3 24.3	-64 22.60	24679	24636	-1466	-51456	57068
Nov	-3 24.3	-64 22.93	24680	24637	-1466	-51468	57080	-3 24.1	-64 22.27	24689	24646	-1465	-51463	57079
Dec	-3 24.3	-64 22.82	24682	24639	-1466	-51471	57083	-3 23.8	-64 21.85	24698	24654	-1463	-51466	57085
I	-3 26.6	-64 23.23	24666	24622	-1482	-51453	57060	-3 26.3	-64 22.44	24678	24634	-1480	-51448	57060
II	-3 26.2	-64 23.42	24658	24614	-1478	-51444	57048	-3 26.1	-64 22.67	24670	24626	-1478	-51441	57051
III	-3 26.0	-64 23.25	24658	24614	-1477	-51438	57043	-3 25.9	-64 22.77	24667	24623	-1478	-51437	57046
Year	-3 26.3	-64 23.30	24661	24617	-1479	-51445	57050	-3 26.1	-64 22.63	24672	24628	-1478	-51442	57052
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	-3 28.7	-64 22.48	24668	24623	-1497	-51428	57038	-3 30.2	-64 26.59	24602	24556	-1503	-51448	57028
Feb	-3 28.1	-64 23.02	24660	24615	-1492	-51432	57038	-3 28.9	-64 24.34	24640	24594	-1496	-51440	57037
Mar	-3 27.8	-64 22.14	24673	24628	-1490	-51424	57037	-3 28.0	-64 24.76	24631	24586	-1489	-51439	57032
Apr	-3 27.2	-64 22.56	24668	24623	-1486	-51432	57042	-3 27.7	-64 25.74	24618	24573	-1487	-51449	57036
May	-3 26.7	-64 22.89	24665	24620	-1482	-51437	57044	-3 27.4	-64 26.08	24610	24565	-1484	-51445	57028
Jun[b]	-3 26.0	-64 22.38	24671	24627	-1477	-51430	57041	-3 26.0	-64 23.40	24655	24610	-1476	-51435	57039
Jul	-3 25.7	-64 22.47	24672	24628	-1475	-51435	57046	-3 26.1	-64 24.93	24630	24586	-1476	-51442	57034
Aug	-3 25.4	-64 22.35	24677	24633	-1474	-51441	57054	-3 25.2	-64 23.82	24652	24608	-1471	-51446	57047
Sep	-3 24.9	-64 22.42	24677	24633	-1470	-51445	57057	-3 25.5	-64 25.68	24625	24581	-1471	-51460	57049
Oct	-3 24.2	-64 22.50	24681	24637	-1465	-51455	57068	-3 24.8	-64 25.72	24629	24585	-1466	-51470	57059
Nov	-3 24.0	-64 22.20	24692	24648	-1464	-51466	57082	-3 24.7	-64 23.65	24668	24624	-1468	-51473	57078
Dec	-3 23.7	-64 21.72	24700	24657	-1463	-51467	57087	-3 25.6	-64 23.62	24670	24626	-1475	-51476	57082
I	-3 26.1	-64 22.35	24680	24636	-1479	-51448	57061	-3 27.3	-64 24.55	24645	24600	-1486	-51459	57056
II	-3 26.0	-64 22.40	24675	24630	-1478	-51439	57051	-3 26.5	-64 25.48	24626	24581	-1478	-51454	57044
III	-3 25.9	-64 22.52	24671	24627	-1477	-51436	57046	-3 26.2	-64 24.56	24637	24592	-1477	-51442	57037
Year	-3 26.0	-64 22.43	24675	24631	-1478	-51441	57053	-3 26.7	-64 24.86	24636	24591	-1480	-51452	57046

[a]Twenty-nine days only--June 1-14 and 16-30
[b]Four days only--June 4, 23, 27, and 28

Table 14. Summary of monthly means for 1939

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days 120° East MT							Ten least disturbed days--120° East MT						
Jan	-3 23.5	-64 22.11	24690	24647	-1461	-51460	57077	-3 23.3	-64 21.63	24698	24655	-1460	-51459	57079
Feb	-3 23.3	-64 23.37	24667	24624	-1458	-51460	57066	-3 23.1	-64 23.17	24669	24626	-1456	-51457	57065
Mar	-3 22.6	-64 23.74	24660	24618	-1452	-51460	57064	-3 22.4	-64 23.18	24670	24627	-1452	-51458	57066
Apr	-3 21.9	-64 24.76	24646	24603	-1447	-51469	57065	-3 21.7	-64 23.97	24659	24616	-1446	-51466	57068
May	-3 21.2	-64 24.82	24647	24605	-1441	-51474	57071	-3 21.2	-64 24.17	24658	24616	-1442	-51472	57074
Jun	-3 20.8	-64 23.89	24662	24619	-1440	-51468	57072	-3 20.8	-64 23.48	24668	24626	-1440	-51466	57073
Jul	-3 20.6	-64 24.16	24657	25615	-1438	-51469	57070	-3 20.7	-64 23.79	24664	24622	-1440	-51469	57073
Aug	-3 20.6	-64 24.20	24657	24615	-1438	-51471	57072	-3 20.4	-64 22.69	24681	24639	-1438	-51463	57075
Sep	-3 20.2	-64 23.80	24665	24623	-1435	-51471	57076	-3 20.0	-64 23.31	24672	24630	-1435	-51469	57076
Oct	-3 19.6	-64 24.59	24655	24613	-1431	-51481	57080	-3 19.5	-64 23.67	24670	24628	-1431	-51477	57083
Nov	-3 18.9	-64 23.12	24682	24640	-1427	-51481	57091	-3 18.9	-64 22.84	24686	24644	-1427	-51478	57091
Dec	-3 18.6	-64 23.02	24686	24644	-1425	-51485	57097	-3 18.4	-64 22.77	24691	24649	-1424	-51486	57100
I	-3 21.1	-64 22.90	24681	24639	-1443	-51472	57083	-3 20.9	-64 22.60	24686	24644	-1442	-51470	57084
II	-3 21.1	-64 24.22	24656	24614	-1441	-51470	57071	-3 20.9	-64 23.53	24668	24625	-1441	-51468	57073
III	-3 20.8	-64 24.27	24656	24614	-1439	-51470	57071	-3 20.8	-64 23.53	24668	24626	-1440	-51468	57074
Year	-3 21.0	-64 23.80	24664	24622	-1441	-51471	57075	-3 20.9	-64 23.22	24674	24632	-1441	-51068	57077
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	-3 23.4	-64 21.59	24699	24655	-1460	-51458	57078	-3 23.6	-64 22.40	24685	24641	-1461	-51460	57074
Feb	-3 22.9	-64 22.70	24677	24634	-1456	-51455	57067	-3 24.4	-64 25.33	24634	24590	-1464	-51466	57057
Mar	-3 22.4	-64 23.04	24672	24629	-1452	-51458	57067	-3 22.5	-64 24.91	24639	24596	-1451	-51461	57056
Apr	-3 21.8	-64 23.01	24673	24630	-1448	-51458	57067	-3 22.4	-64 27.57	24599	24556	-1448	-51480	57055
May	-3 21.2	-64 23.72	24666	24624	-1443	-51471	57076	-3 21.9	-64 26.02	24627	24585	-1446	-51479	57067
Jun	-3 20.8	-64 23.07	24675	24633	-1440	-51465	57075	-3 20.5	-64 25.00	24643	24601	-1436	-51472	57066
Jul	-3 20.8	-64 23.72	24665	24622	-1440	-51469	57073	-3 21.0	-64 25.50	24635	24593	-1440	-51475	57066
Aug	-3 20.5	-64 22.36	24686	24644	-1439	-51461	57076	-3 20.9	-64 27.37	24605	24562	-1437	-51483	57060
Sep	-3 19.8	-64 23.21	24675	24633	-1434	-51470	57078	-3 20.5	-64 26.15	24643	24601	-1436	-51477	57072
Oct	-3 19.4	-64 23.59	24672	24630	-1431	-51479	57086	-3 20.1	-64 26.59	24620	24578	-1432	-51486	57069
Nov	-3 18.8	-64 22.50	24691	24650	-1427	-51476	57092	-3 19.2	-64 24.06	24667	24625	-1428	-51485	57089
Dec	-3 18.3	-64 22.45	24696	24655	-1424	-51486	57102	-3 18.8	-64 23.72	24673	24632	-1426	-51486	57093
I	-3 20.8	-64 22.31	24691	24648	-1442	-51469	57085	-3 21.5	-64 23.88	24665	24622	-1445	-51474	57078
II	-3 20.9	-64 23.21	24673	24630	-1441	-51466	57074	-3 21.4	-64 26.05	24625	24583	-1442	-51476	57063
III	-3 20.8	-64 23.22	24673	24631	-1440	-51466	57075	-3 21.1	-64 25.97	24628	24585	-1440	-51477	57065
Year	-3 20.8	-64 22.91	24679	24637	-1441	-51467	57078	-3 21.3	-64 25.30	24639	24597	-1442	-51476	57069

Table 15. Summary of monthly means for 1940

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days 120° East MT							Ten least-disturbed days--120° East MT						
Jan	-3 18.4	-64 23.89	24677	24636	-1423 -	-51500	57107	-3 17.8	-64 23.68	24681	24640	-1419	-51500	57109
Feb	-3 17.8	-64 23.63	24682	24641	-1420	-51502	57111	-3 18.0	-64 23.31	24687	24646	-1421	-51500	57111
Mar[a]	-3 17.3	-64 24.73	24666	24625	-1415	-51509	57110	-3 17.4	-64 23.14	24691	24651	-1417	-51502	57115
Apr[b]	-3 16.6	-64 25.36	24658	24618	-1409	-51519	57116	-3 16.5	-64 24.45	24674	24634	-1410	-51516	57120
May	-3 15.9	-64 24.45	24671	24631	-1405	-51511	57114	-3 16.0	-64 24.03	24679	24639	-1406	-51510	57117
Jun	-3 15.3	-64 24.34	24671	24631	-1401	-51506	57110	-3 15.4	-64 23.77	24681	24641	-1402	-51504	57112
Jul	-3 15.2	-64 24.26	24675	24635	-1400	-51510	57115	-3 15.3	-64 23.97	24680	24640	-1401	-51509	57116
Aug	-3 15.3	-64 24.20	24679	24639	-1402	-51516	57122	-3 15.3	-64 23.81	24686	24646	-1402	-51516	57125
Sep	-3 15.1	-64 24.36	24677	24637	-1400	-51518	57123	-3 14.8	-64 23.77	24686	24647	-1398	-51516	57125
Oct	-3 14.6	-64 24.36	24679	24639	-1396	-51523	57128	-3 14.4	-64 23.96	24685	24646	-1395	-51520	57129
Nov	-3 14.3	-64 24.40	24681	24642	-1394	-51529	57135	-3 14.2	-64 24.09	24686	24647	-1394	-51527	57135
Dec	-3 14.0	-64 23.79	24695	24656	-1392	-51534	57145	-3 14.2	-64 23.61	24697	24658	-1394	-51532	57145
I	-3 16.1	-64 23.93	24684	24644	-1407	-51516	57124	-3 16.0	-64 23.67	24688	24648	-1407	-51515	57125
II	-3 15.9	-64 24.70	24670	24630	-1405	-51517	57119	-3 15.8	-64 23.83	24684	24644	-1405	-51514	57122
III	-3 15.4	-64 24.31	24674	24634	-1402	-51511	57115	-3 15.5	-64 23.90	24682	24642	-1403	-51510	57118
Year	-3 15.8	-64 24.31	24676	24636	-1405	-51515	57120	-3 15.8	-64 23.80	24684	24645	-1405	-51513	57122
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	-3 17.6	-64 23.56	24683	24642	-1418	-51500	57110	-3 19.6	-64 24.46	24667	24625	-1431	-51501	57104
Feb	-3 17.8	-64 23.04	24692	24651	-1420	-51499	57113	-3 18.1	-64 24.09	24675	24634	-1421	-51504	57110
Mar	-3 17.3	-64 22.80	24697	24656	-1417	-51501	57116	-3 18.5[c]	-64 30.72	24567	24526	-1418	-51533	57089
Apr	-3 16.5	-64 24.39	24676	24636	-1410	-51518	57122	-3 16.9	-64 27.81	24618	24578	-1409	-51529	57108
May	-3 16.0	-64 23.93	24681	24640	-1407	-51510	57117	-3 15.8	-64 25.46	24655	24615	-1404	-51516	57112
Jun	-3 15.4	-64 23.51	24685	24645	-1402	-51503	57113	-3 15.2	-64 25.59	24650	24610	-1399	-51509	57103
Jul	-3 15.2	-64 23.78	24683	24643	-1401	-51509	57117	-3 15.4	-64 25.06	24662	24622	-1401	-51513	57112
Aug	-3 15.3	-64 23.61	24689	24649	-1402	-51515	57125	-3 15.3	-64 24.75	24669	24629	-1400	-51517	57119
Sept	-3 14.8	-64 23.63	24689	24649	-1393	-51515	57126	-3 15.6	-64 25.77	24652	24613	-1402	-51522	57116
Oct	-3 14.2	-64 23.52	24692	24653	-1394	-51518	57130	-3 15.5	-64 25.60	24660	24620	-1402	-51531	57128
Nov	-3 14.1	-64 23.57	24694	24655	-1393	-51524	57136	-3 14.6	-64 25.12	24671	24631	-1396	-51535	57136
Dec	-3 13.8	-64 23.21	24703	24664	-1392	-51530	57145	-3 13.9	-64 24.29	24686	24647	-1392	-51535	57142
I	-3 15.8	-64 23.34	24693	24653	-1406	-51513	57126	-3 16.5	-64 24.49	24675	24634	-1410	-51519	57123
II	-3 15.7	-64 23.58	24688	24648	-1405	-51513	57124	-3 16.6	-64 27.48	24624	24584	-1408	-51529	57110
III	-3 15.5	-64 23.71	24684	24644	-1403	-51509	57118	-3 15.4	-64 25.22	24659	24619	-1401	-51514	57112
Year	-3 15.7	-64 23.55	24689	24649	-1404	-51512	57122	-3 16.2	-64 25.73	24653	24612	-1406	-51520	57115

[a]Thirty days only--Mar. 1-24, and 26-31.
[b]Twenty-nine days only--Apr. 1-4, and 6-30
[c]Four days only--Mar. 24, 29, 30, and 31

Table 16. Summary of monthly means for 1941

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--120° East MT							Ten least-disturbed days--120° East MT						
Jan	-3 14.0	-64 23.89	24695	24656	-1393	-51538	57149	-3 13.8	-64 23.48	24701	24662	-1391	-51535	57149
Feb	-3 13.7	-64 24.30	24688	24649	-1390	-51540	57147	-3 13.7	-64 24.02	24693	24654	-1391	-51539	57149
Mar	-3 13.4	-64 26.16	24658	24619	-1387	-51549	57143	-3 13.2	-64 25.06	24677	24638	-1386	-51546	57148
Apr	-3 13.0	-64 25.40	24673	24634	-1384	-51550	57150	-3 13.1	-64 25.25	24675	24636	-1385	-51549	57151
May	-3 12.6	-64 25.01	24683	24644	-1382	-51556	57160	-3 12.7	-64 24.80	24686	24647	-1383	-51554	57159
Jun	-3 12.2	-64 24.49	24689	24650	-1379	-51549	57156	-3 12.2	-64 24.15	24695	24656	-1380	-51548	57157
Jul	-3 12.3	-64 26.13	24663	24624	-1379	-51558	57153	-3 12.1	-64 24.96	24682	24643	-1378	-51551	57155
Aug	-3 11.7	-64 25.32	24676	24638	-1376	-51554	57155	-3 11.7	-64 24.72	24686	24648	-1376	-51552	57158
Sep	-3 11.5	-64 26.13	24665	24626	-1373	-51561	57157	-3 11.5	-64 24.97	24683	24645	-1374	-51556	57160
Oct	-3 11.1	-64 25.24	24682	24644	-1372	-51564	57167	-3 11.0	-64 25.04	24686	24648	-1371	-51564	57169
Nov	-3 10.9	-64 25.48	24682	24644	-1370	-51572	57174	-3 11.0	-64 25.21	24686	24648	-1371	-51571	57175
Dec	-3 10.7	-64 24.71	24697	24659	-1369	-51573	57182	-3 10.4	-64 24.18	24705	24667	-1368	-51571	57183
I	-3 12.3	-64 24.60	24690	24652	-1380	-51556	57163	-3 12.2	-64 24.22	24696	24658	-1380	-51554	57164
II	-3 12.3	-64 25.73	24670	24631	-1379	-51556	57154	-3 12.2	-64 25.08	24680	24642	-1379	-51554	57158
III	-3 12.2	-64 25.24	24678	24639	-1379	-51554	57156	-3 12.2	-64 24.66	24687	24648	-1379	-51551	57157
Year	-3 12.3	-64 25.19	24679	24641	-1380	-51555	57158	-3 12.2	-64 24.65	24688	24649	-1380	-51553	57160
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	-3 13.7	-64 23.08	24708	24668	-1391	-51533	57150	-3 14.5	-64 24.47	24686	24646	-1396	-51542	57148
Feb	-3 13.7	-64 23.85	24696	24656	-1391	-51538	57149	-3 13.9	-64 24.36	24686	24647	-1391	-51538	57145
Mar	-3 13.3	-64 24.99	24678	24640	-1387	-51546	57149	-3 13.1	-64 28.18	24622	24584	-1382	-51552	57130
Apr	-3 12.9	-64 25.15	24678	24639	-1384	-51551	57153	-3 12.8	-64 25.81	24666	24627	-1382	-51551	57148
May	-3 12.8	-64 24.98	24683	24644	-1383	-51555	57159	-3 12.4	-64 25.91	24669	24630	-1380	-51562	57159
Jun	-3 12.3	-64 24.09	24696	24658	-1380	-51549	57159	-3 11.9	-64 25.40	24674	24635	-1377	-51552	57153
Jul	-3 12.1	-64 25.02	24681	24642	-1379	-51552	57156	-3 13.1	-64 30.26	24597	24558	-1381	-51578	57143
Aug	-3 11.7	-64 24.52	24690	24651	-1376	-51551	57158	-3 12.2	-64 26.70	24653	24615	-1378	-51560	57150
Sep	-3 11.3	-64 24.84	24686	24648	-1373	-51556	57161	-3 12.1	-64 29.88	24600	24561	-1374	-51570	57137
Oct	-3 11.0	-64 24.86	24688	24650	-1371	-51562	57168	-3 11.2	-64 25.79	24673	24635	-1372	-51565	57164
Nov	-3 10.9	-64 24.62	24696	24658	-1371	-51570	57178	-3 11.2	-64 27.04	24656	24617	-1370	-51578	57167
Dec	-3 10.6	-64 24.14	24706	24668	-1369	-51571	57184	-3 10.9	-64 25.72	24680	24642	-1370	-51578	57178
I	-3 12.2	-64 23.91	24702	24662	-1380	-51553	57165	-3 12.6	-64 25.40	24677	24638	-1382	-51559	57160
II	-3 12.1	-64 24.96	24682	24644	-1379	-51554	57158	-3 12.3	-64 27.42	24640	24602	-1378	-51560	57145
III	-3 12.2	-64 24.65	24688	24649	-1380	-51552	57158	-3 12.4	-64 27.07	24648	24610	-1379	-51563	57151
Year	-3 12.2	-64 24.51	24692	24652	-1380	-51553	57160	-3 12.4	-64 26.63	24655	24616	-1379	-51560	57152

Table 17. Summary of monthly means for 1942

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--120° East MT							Ten least-disturbed days --120° East MT						
Jan	-3 10.3	-64 24.07	24707	24669	-1367	-51569	57182	-3 10.2	-64 23.99	24709	24672	-1366	-51572	57186
Feb	-3 10.0	-64 24.42	24705	24667	-1365	-51579	57190	-3 09.8	-64 24.12	24709	24672	-1363	-51577	57190
Mar	-3 09.6	-64 25.36	24691	24654	-1361	-51587	57192	-3 09.5	-64 24.75	24701	24664	-1361	-51584	57193
Apr	-3 09.1	-64 25.58	24690	24653	-1358	-51593	57196	-3 09.2	-64 25.32	24695	24657	-1359	-51593	57198
May	-3 08.7	-64 24.74	24706	24669	-1356	-51594	57204	-3 08.8	-64 24.44	24711	24673	-1356	-51592	57205
Jun	-3 08.4	-64 24.24	24712	24675	-1354	-51587	57200	-3 08.4	-64 24.04	24715	24678	-1354	-51586	57201
Jul	-3 07.8	-64 24.51	24706	24669	-1349	-51585	57196	-3 07.9	-64 23.93	24716	24679	-1350	-51583	57198
Aug	-3 07.5	-64 24.78	24703	24666	-1347	-51590	57199	-3 07.5	-64 24.50	24708	24671	-1347	-51588	57200
Sep	-3 07.2	-64 25.02	24701	24665	-1345	-51595	57203	-3 07.1	-64 24.69	24708	24671	-1344	-51595	57206
Oct	-3 06.9	-64 25.16	24702	24665	-1342	-51601	57209	-3 06.8	-64 24.64	24711	24674	-1342	-51600	57212
Nov	-3 06.7	-64 24.89	24711	24674	-1341	-51610	57221	-3 06.7	-64 24.54	24717	24680	-1341	-51609	57222
Dec	-3 06.7	-64 24.48	24720	24684	-1342	-51613	57228	-3 06.5	-64 24.09	24726	24690	-1341	-51611	57229
I	-3 08.4	-64 24.46	24711	24673	-1354	-51593	57205	-3 08.3	-64 24.18	24716	24678	-1353	-51592	57207
II	-3 08.2	-64 25.28	24696	24659	-1351	-51594	57200	-3 08.2	-64 24.85	24704	24667	-1352	-51593	57202
III	-3 08.1	-64 24.56	24707	24670	-1351	-51589	57200	-3 08.2	-64 24.23	24712	24675	-1352	-51587	57201
Year	-3 08.2	-64 24.77	24704	24667	-1352	-51592	57202	-3 08.2	-64 24.42	24710	24673	-1352	-51591	57203
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	-3 10.1	-64 23.74	24714	24676	-1366	-51572	57188	-3 10.2	-64 24.79	24694	24656	-1366	-51570	57178
Feb	-3 09.7	-64 24.15	24708	24671	-1362	-51576	57189	-3 10.8	-64 25.47	24688	24650	-1370	-51585	57189
Mar	-3 09.3	-64 24.64	24703	24665	-1360	-51583	57193	-3 09.8	-64 26.51	24672	24634	-1361	-51590	57186
Apr	-3 09.3	-64 24.95	24701	24663	-1360	-51591	57200	-3 09.4	-64 27.07	24665	24628	-1358	-51598	57191
May	-3 08.7	-64 24.28	24713	24676	-1356	-51591	57205	-3 08.4	-64 25.25	24697	24660	-1353	-51594	57200
Jun	-3 08.5	-64 23.79	24720	24682	-1355	-51586	57202	-3 08.4	-64 24.54	24706	24669	-1354	-51587	57198
Jul	-3 08.0	-64 23.86	24717	24680	-1351	-51584	57200	-3 07.7	-64 25.05	24697	24660	-1348	-51587	57194
Aug	-3 07.5	-64 24.52	24708	24671	-1347	-51589	57201	-3 07.6	-64 25.20	24696	24659	-1347	-51591	57197
Sep	-3 07.1	-64 24.50	24712	24675	-1345	-51597	57209	-3 07.0	-64 25.46	24694	24657	-1342	-51596	57201
Oct	-3 06.7	-64 24.51	24713	24676	-1341	-51599	57212	-3 07.4	-64 26.12	24685	24648	-1345	-51603	57203
Nov	-3 06.7	-64 24.32	24721	24684	-1342	-51608	57223	-3 06.7	-64 25.81	24696	24660	-1340	-51615	57219
Dec	-3 06.4	-64 23.79	24730	24694	-1340	-51608	57227	-3 07.1	-64 25.04	24710	24674	-1344	-51615	57225
I	-3 08.2	-64 24.00	24718	24681	-1353	-51591	57207	-3 08.7	-64 25.28	24697	24660	-1355	-51596	57203
II	-3 08.1	-64 24.65	24707	24670	-1351	-51593	57204	-3 08.4	-64 26.29	24679	24642	-1352	-51597	57195
III	-3 08.2	-64 24.11	24714	24677	-1352	-51587	57202	-3 08.1	-64 25.01	24699	24662	-1350	-51590	57197
Year	-3 08.2	-64 24.25	24713	24676	-1352	-51590	57204	-3 08.4	-64 25.53	24692	24655	-1352	-51594	57198

Table 18. Summary of monthly means for 1943

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--120° East MT							Ten least-disturbed days--120 East MT						
Jan	-3 06.2	-64 24.42	24722	24686	-1339	-51615	57230	-3 06.0	-64 24.11	24727	24691	-1338	-51614	57231
Feb	-3 05.8	-64 24.61	24723	24687	-1336	-51625	57240	-3 05.7	-64 24.48	24726	24690	-1335	-51625	57241
Mar	-3 05.3	-64 25.28	24715	24679	-1332	-51634	57244	-3 05.4	-64 24.92	24721	24685	-1332	-51631	47244
Apr	-3 05.1	-64 25.78	24709	24673	-1330	-51640	57247	-3 05.1	-64 25.36	24716	24680	-1330	-51638	57248
May	-3 04.5	-64 25.52	24712	24676	-1326	-51637	57246	-3 04.6	-64 24.91	24723	24687	-1327	-51635	57248
Jun	-3 04.4	-64 25.15	24720	24684	-1325	-51638	57250	-3 04.4	-64 24.86	24725	24689	-1326	-51638	57252
Jul	-3 03.9	-64 25.29	24717	24682	-1322	-51638	57249	-3 04.0	-64 24.80	24725	24690	-1322	-51636	57251
Aug	-3 04.0	-64 26.29	24702	24667	-1321	-51646	57249	-3 03.8	-64 26.00	24708	24672	-1320	-51646	57251
Sep	-3 03.7	-64 26.04	24710	24675	-1320	-51653	57259	-3 03.4	-64 25.51	24719	24684	-1318	-51652	57262
Oct	-3 03.5	-64 25.65	24718	24683	-1319	-51654	57264	-3 03.5	-64 25.05	24727	24692	-1319	-51650	57264
Nov	-3 03.3	-64 25.34	24730	24694	-1318	-51666	57280	-3 03.4	-64 24.97	24736	24700	-1319	-51665	57281
Dec	-3 03.4	-64 25.18	24735	24700	-1319	-51672	57288	-3 03.2	-64 24.86	24741	24706	-1318	-51671	57289
I	-3 04.7	-64 24.89	24728	24692	-1328	-51645	57259	-3 04.6	-64 24.60	24732	24697	-1327	-51644	57260
II	-3 04.4	-64 25.69	24713	24677	-1325	-51645	57253	-3 04.3	-64 25.21	24721	24685	-1325	-51643	57255
III	-3 04.2	-64 25.56	24713	24677	-1324	-51640	57248	-3 04.2	-64 25.14	24720	24685	-1324	-51639	57251
Year	-3 04.4	-64 25.38	24718	24682	-1325	-51643	57254	-3 04.4	-64 24.99	24724	24689	-1325	-51642	57255
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	-3 06.1	-64 23.89	24730	24694	-1338	-51611	57230	-3 06.7	-64 24.86	24715	24678	-1342	-51617	57228
Feb	-3 05.8	-64 24.37	24728	24692	-1336	-51625	57242	-3 06.0	-64 24.96	24718	24682	-1337	-51628	57240
Mar	-3 05.3	-64 24.89	24721	24685	-1332	-51632	57245	-3 04.9	-64 25.95	24704	24668	-1328	-51637	57242
Apr	-3 05.1	-64 24.98	24722	24686	-1331	-51637	57250	-3 05.1	-64 27.27	24685	24649	-1329	-51648	57244
May	-3 04.6	-64 24.94	24723	24687	-1327	-51636	57249	-3 04.5	-64 26.62	24694	24658	-1325	-51641	57242
Jun	-3 04.5	-64 24.55	24730	24694	-1326	-51637	57254	-3 04.5	-64 25.81	24708	24673	-1325	-51640	57247
Jul	-3 04.0	-64 24.78	24726	24690	-1323	-51637	57252	-3 03.8	-64 25.85	24707	24672	-1321	-51639	57245
Aug	-3 03.8	-64 25.82	24711	24676	-1321	-51647	57254	-3 04.9	-64 27.50	24682	24646	-1326	-51651	57245
Sep	-3 03.4	-64 25.18	24725	24690	-1318	-51650	57263	-3 03.7	-64 26.76	24698	24663	-1319	-51655	57256
Oct	-3 03.4	-64 24.74	24731	24696	-1319	-51647	57263	-3 03.6	-64 26.57	24703	24668	-1318	-51658	57260
Nov	-3 03.3	-64 24.50	24744	24709	-1319	-51664	57284	-3 02.9	-64 26.33	24714	24679	-1314	-51671	57277
Dec	-3 03.1	-64 24.76	24742	24707	-1317	-51671	57289	-3 03.7	-64 25.78	24725	24690	-1321	-51674	57285
I	-3 04.6	-64 24.38	24736	24700	-1328	-51643	57261	-3 04.8	-64 25.48	24718	24682	-1328	-51647	57258
II	-3 04.3	-64 24.95	24725	24689	-1325	-51641	57255	-3 04.3	-64 26.64	24697	24662	-1324	-51649	57250
III	-3 04.2	-64 25.02	24722	24687	-1324	-51639	57252	-3 04.4	-64 26.44	24698	24662	-1324	-51643	57245
Year	-3 04.4	-64 24.78	24728	24692	-1326	-51641	57256	-3 04.5	-64 26.19	24704	24669	-1325	-51646	57251

Table 19. Summary of monthly means for 1944

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

Month	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--120° East MT							Ten least-disturbed days--120° East MT						
Jan	-2 63.0	-64 25.18	24735	24700	-1316	-51672	57288	-2 63.1	-64 25.00	24738	24703	-1317	-51672	57288
Feb	-2 62.4	-64 25.30	24733	24698	-1312	-51672	57286	-2 62.5	-64 24.87	24739	24704	-1312	-51668	57286
Mar	-2 61.9	-64 25.46	24729	24695	-1308	-51670	57283	-2 61.9	-64 25.15	24735	24700	-1309	-51670	57285
Apr	-2 61.7	-64 25.77	24729	24694	-1306	-51682	57293	-2 61.6	-64 25.36	24736	24702	-1306	-51681	57295
May	-2 61.3	-64 25.22	24741	24707	-1304	-51686	57302	-2 61.3	-64 24.69	24751	24716	-1305	-51685	57306
Jun	-2 61.1	-64 25.19	24745	24711	-1303	-51694	57311	-2 61.2	-64 25.13	24746	24712	-1303	-51693	57311
Jul	-2 60.7	-64 24.98	24751	24717	-1300	-51698	57318	-2 60.7	-64 24.82	24754	24720	-1300	-51697	57318
Aug	-2 60.6	-64 25.24	24747	24713	-1299	-51699	57317	-2 60.6	-64 25.09	24750	24715	-1299	-51698	57317
Sep	-2 60.5	-64 24.95	24753	24719	-1299	-51700	57320	-2 60.5	-64 24.80	24755	24721	-1299	-51698	57319
Oct	-2 60.2	-64 25.14	24754	24720	-1297	-51709	57329	-2 60.0	-64 24.83	24760	24726	-1297	-51710	57332
Nov	-2 60.0	-64 24.70	24763	24729	-1296	-51711	57334	-2 60.1	-64 24.58	24765	24731	-1296	-51711	57335
Dec	-2 59.8	-64 25.45	24755	24721	-1294	-51723	57342	-2 59.5	-64 24.72	24766	24732	-1293	-51718	57342
I	-2 61.3	-64 25.16	24746	24712	-1305	-51695	57312	-2 61.3	-64 24.79	24752	24718	-1305	-51692	57313
II	-2 61.1	-64 25.33	24741	24707	-1302	-51690	57306	-2 61.0	-64 25.04	24746	24712	-1303	-51690	57308
III	-2 60.9	-64 25.16	24746	24712	-1302	-51694	57312	-2 61.0	-64 24.93	24750	24716	-1302	-51693	57313
Year	-2 61.1	-64 25.22	24745	24710	-1303	-51693	57310	-2 61.1	-64 24.92	24750	24715	-1303	-51692	57311
	Five international quiet days--GMT							Five international disturbed days--GMT						
Jan	-2 63.2	-64 24.87	24741	24706	-1317	-51672	57290	-2 63.0	-64 25.55	24729	24694	-1316	-51673	57286
Feb	-2 62.4	-64 24.84	24740	24705	-1313	-51668	57285	-2 62.6	-64 26.26	24718	24683	-1312	-51677	57284
Mar	-2 62.0	-64 24.83	24740	24705	-1309	-51668	57286	-2 61.9	-64 26.11	24718	24683	-1307	-51672	57279
Apr	-2 61.6	-64 25.10	24740	24706	-1306	-51680	57297	-2 61.8	-64 27.24	24705	24670	-1306	-51688	57289
May	-2 61.3	-64 24.64	24752	24717	-1305	-51686	57307	-2 61.6	-64 25.94	24728	24694	-1306	-51686	57297
Jun	-2 61.1	-64 24.93	24749	24715	-1304	-51691	57311	-2 61.1	-64 25.55	24740	24705	-1302	-51695	57310
Jul	-2 60.6	-64 24.68	24756	24722	-1301	-51697	57319	-2 60.6	-64 25.32	24746	24712	-1300	-51700	57317
Aug	-2 60.6	-64 25.09	24749	24715	-1300	-51698	57317	-2 60.4	-64 25.79	24738	24704	-1298	-51702	57316
Sep	-2 60.5	-64 24.64	24758	24724	-1299	-51698	57321	-2 60.6	-64 25.51	24744	24710	-1299	-51703	57319
Oct	-2 60.2	-64 24.95	24757	24723	-1296	-51709	57330	-2 60.3	-64 25.78	24741	24707	-1297	-51708	57322
Nov	-2 60.0	-64 24.42	24768	24734	-1297	-51710	57336	-2 60.1	-64 25.24	24753	24719	-1296	-51712	57331
Dec	-2 59.5	-64 24.73	24766	24733	-1293	-51720	57344	-2 60.7	-64 26.73	24734	24700	-1299	-51729	57338
I	-2 61.3	-64 24.72	24754	24719	-1305	-51692	57314	-2 61.6	-64 25.94	24733	24699	-1306	-51698	57310
II	-2 61.1	-64 24.88	24749	24714	-1302	-51689	57308	-2 61.2	-64 26.16	24727	24693	-1302	-51693	57302
III	-2 60.9	-64 24.84	24752	24717	-1302	-51693	57313	-2 60.9	-64 25.65	24738	24704	-1301	-51696	57310
Year	-2 61.1	-64 24.81	24751	24717	-1303	-51691	57312	-2 61.2	-64 25.92	24733	24698	-1303	-51695	57307

Table 20. Summary of annual means for 1919-1944

(D east, I down, H and X northward, Y eastward, Z toward nadir, and F are reckoned positive as referred to the north-seeking end of magnet)

Year	D	I	H	X	Y	Z	F	D	I	H	X	Y	Z	F
	° ′	° ′	γ	γ	γ	γ	γ	° ′	° ′	γ	γ	γ	γ	γ
	All days--120° East MT							Ten least-disturbed days--120° East MT						
1919	-4 22.8	-63 51.37	24925	24852	-1904	-50780	56567	-4 22.7	-63 50.97	24932	24859	-1903	-50778	56568
1920	-4 22.1	-63 54.70	24889	24817	-1896	-50832	56598	-4 22.0	-63 54.38	24894	24822	-1895	-50830	56599
1921	-4 21.6	-63 58.18	24842	24770	-1888	-50865	56607	-4 21.5	-63 57.80	24848	24776	-1888	-50864	56609
1922	-4 20.9	-64 01.04	24799	24626	-1880	-50884	56605	-4 20.8	-64 00.80	24802	24731	-1880	-50883	56606
1923	-4 19.5	-64 03.06	24774	24704	-1868	-50910	56618	-4 19.5	-64 02.93	24776	24706	-1869	-50910	56618
1924	-4 18.2	-64 05.20	24747	24677	-1858	-50934	56628	-4 18.2	-64 05.03	24750	24680	-1858	-50934	56629
1925	-4 17.6	-64 07.81	24715	24646	-1851	-50967	56643	-4 17.6	-64 07.60	24619	24649	-1851	-50966	56644
1926	-4 17.2	-64 10.76	24674	24606	-1845	-50995	56651	-4 17.1	-64 10.37	24681	24612	-1845	-50993	56652
1927	-4 16.3	-64 11.94	24663	24594	-1837	-51015	56664	-4 16.2	-64 11.72	24666	24598	-1836	-51014	56664
1928	-4 15.0	-64 13.74	24648	24580	-1826	-51052	56691	-4 14.9	-64 13.32	24655	24587	-1826	-51050	56692
1929	-4 12.1	-64 15.50	24636	24570	-1804	-51096	56725	-4 11.9	-64 15.07	24643	24577	-1804	-51094	56727
1930	-4 08.0	-64 17.72	24623	24559	-1775	-51151	56769	-4 07.9	-64 17.28	24630	24566	-1775	-51149	56770
1931	-4 03.3	-64 17.98	24638	24576	-1742	-51192	56813	-4 03.3	-64 17.69	24642	24581	-1742	-51191	56814
1932	-3 58.4	-64 19.12	24638	24578	-1708	-51236	56852	-3 58.4	-64 18.78	24643	24584	-1707	-51234	56853
1933	-3 53.4	-64 19.84	24644	24588	-1672	-51277	56892	-3 53.3	-64 19.50	24650	24593	-1672	-51276	56893
1934	-3 47.8	-64 20.13	24653	24599	-1632	-51307	56923	-3 47.7	-64 19.95	24656	24602	-1632	-51306	56924
1935	-3 42.5	-64 20.99	24655	24603	-1595	-51343	56956	-3 42.5	-64 20.70	24660	24608	-1595	-51342	56957
1936	-3 37.0	-64 21.66	24657	24608	-1556	-51375	56986	-3 37.0	-64 21.33	24663	24614	-1556	-51373	56987
1937	-3 31.7	-64 22.53	24657	24610	-1518	-51406	57013	-3 31.6	-64 22.15	24663	24616	-1517	-51404	57015
1938	-3 26.3	-64 23.30	24661	24617	-1479	-51445	57050	-3 26.1	-64 22.63	24672	24628	-1478	-51442	57052
1939	-3 21.0	-64 23.80	24664	24622	-1441	-51471	57075	-3 20.9	-64 23.22	24674	24632	-1441	-51068	57077
1940	-3 15.8	-64 24.31	24676	24636	-1405	-51515	57120	-3 15.8	-64 23.80	24684	24645	-1405	-51513	57122
1941	-3 12.3	-64 25.19	24679	24641	-1380	-51555	57158	-3 12.2	-64 24.65	24688	24649	-1380	-51553	57160
1942	-3 08.2	-64 24.77	24704	24667	-1352	-51592	57202	-3 08.2	-64 24.42	24710	24673	-1352	-51591	57203
1943	-3 04.4	-64 25.38	24718	24682	-1325	-51643	57254	-3 04.4	-64 24.99	24724	24689	-1325	-51642	57255
1944	-2 61.1	-64 25.22	24745	24710	-1303	-51693	57310	-2 61.1	-64 24.92	24750	24715	-1303	-51692	57311
	Five international quiet days--GMT							Five international disturbed days--GMT						
1919	-4 22.8	-63 50.97	24931	24858	-1904	-50777	56568	-4 23.1	-63 52.11	24912	24840	-1905	-50783	56564
1920	-4 21.9	-63 54.32	24896	24824	-1895	-50831	56600	-4 22.2	-63 55.46	24877	24804	-1896	-50834	56595
1921	-4 21.5	-63 57.75	24849	24777	-1888	-50863	56609	-4 21.6	-63 59.04	24827	24756	-1887	-50868	56603
1922	-4 20.8	-64 00.70	24804	24733	-1880	-50882	56606	-4 21.0	-64 01.57	24789	24718	-1880	-50885	56602
1923	-4 19.5	-64 02.87	24778	24707	-1869	-50910	56619	-4 19.6	-64 03.52	24766	24696	-1868	-50911	56615
1924	-4 18.3	-64 05.02	24750	24681	-1858	-50934	56629	-4 18.3	-64 05.70	24738	24669	-1858	-50936	56625
1925	-4 17.6	-64 07.45	24721	24652	-1851	-50966	56645	-4 17.7	-64 08.41	24605	24636	-1850	-50970	56641
1926	-4 17.1	-64 10.26	24683	24614	-1845	-50993	56652	-4 17.7	-64 11.91	24651	24586	-1847	-50999	56646
1927	-4 16.1	-64 11.60	24668	24600	-1836	-51014	56665	-4 16.6	-64 12.69	24651	24582	-1838	-51019	56662
1928	-4 14.9	-64 13.24	24656	24588	-1826	-51050	56693	-4 15.1	-64 14.49	24636	24568	-1826	-51056	56688
1929	-4 12.0	-64 14.93	24646	24580	-1804	-51094	56728	-4 12.4	-64 16.34	24623	24556	-1806	-51099	56723
1930	-4 07.9	-64 16.98	24635	24571	-1775	-51148	56772	-4 08.2	-64 18.66	24607	24543	-1775	-51155	56766
1931	-4 03.3	-64 17.65	24643	24581	-1742	-51191	56814	-4 03.4	-64 18.50	24629	24567	-1743	-51194	56811
1932	-3 58.4	-64 18.73	24644	24585	-1708	-51234	56853	-3 58.6	-64 19.70	24628	24569	-1708	-51238	56850
1933	-3 53.3	-64 19.42	24651	24594	-1672	-51276	56894	-3 53.5	-64 20.42	24634	24578	-1672	-51279	56890
1934	-3 47.7	-64 19.90	24657	24603	-1632	-51307	56924	-3 48.0	-64 20.65	24644	24590	-1633	-51308	56920
1935	-3 42.5	-64 20.58	24662	24610	-1595	-51342	56958	-3 42.7	-64 21.57	24645	24595	-1595	-51346	56954
1936	-3 37.0	-64 21.23	24666	24617	-1556	-51372	56987	-3 37.2	-64 22.45	24645	24595	-1556	-51378	56983
1937	-3 31.6	-64 22.04	24664	24618	-1517	-51403	57014	-3 31.9	-64 23.65	24638	24591	-1517	-51411	57010
1938	-3 26.0	-64 22.43	24675	24631	-1478	-51441	57053	-3 26.7	-64 24.86	24636	24591	-1480	-51452	57046
1939	-3 20.8	-64 22.91	24679	24637	-1441	-51467	57078	-3 21.3	-64 25.30	24639	24597	-1442	-51476	57069
1940	-3 15.7	-64 23.55	24689	24649	-1404	-51512	57122	-3 16.2	-64 25.73	24653	24612	-1406	-51520	57115
1941	-3 12.2	-64 24.51	24692	24652	-1380	-51553	57160	-3 12.4	-64 26.62	24655	24616	-1379	-51560	57152
1942	-3 08.2	-64 24.25	24713	24676	-1352	-51590	57204	-3 08.4	-64 25.53	24692	24655	-1352	-51594	57198
1943	-3 04.4	-64 24.78	24728	24692	-1326	-51641	57256	-3 04.5	-64 26.19	24704	24669	-1325	-51646	57251
1944	-2 61.1	-64 24.81	24751	24717	-1303	-51691	57312	-2 61.2	-64 25.92	24733	24698	-1303	-51695	57307

TABLES 21-29

MEAN DAILY NONCYCLIC CHANGE IN DECLINATION (D), HORIZONTAL INTENSITY (H), AND VERTICAL INTENSITY (Z), 1936-1944

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Mean daily noncyclic change in declination (D), horizontal intensity (H), and vertical intensity (Z)

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Table 21. Mean daily noncyclic change, 1936

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--120° East MT						Ten selected days--120° East MT					
Jan	- 0.01	0.00	- 0.1	- 0.1	- 0.3	0.0	+ 0.02	- 0.02	+ 1.6	+ 1.3	+ 1.3	+ 1.5
Feb	+ 0.02	- 0.01	- 0.3	- 0.3	- 0.2	- 0.3	+ 0.33	+ 0.04	+ 3.4	+ 3.7	+ 0.8	- 0.3
Mar	- 0.01	+ 0.01	0.0	+ 0.1	0.0	+ 0.1	+ 0.01	+ 0.16	+ 0.8	+ 1.6	+ 1.1	+ 2.3
Apr	+ 0.06	+ 0.05	+ 0.2	+ 0.2	0.0	0.0	+ 0.12	+ 0.33	+ 3.1	+ 2.5	- 0.6	+ 0.4
May	- 0.01	- 0.02	0.0	0.0	0.0	- 0.1	+ 0.03	+ 0.04	+ 2.2	+ 2.8	+ 1.3	+ 1.6
Jun	+ 0.04	+ 0.04	+ 0.3	+ 0.3	+ 0.2	+ 0.2	+ 0.14	+ 0.04	+ 3.6	+ 4.2	+ 1.0	+ 0.6
Jul	0.00	- 0.01	- 0.3	- 0.4	- 0.2	- 0.3	+ 0.06	- 0.01	+ 2.7	+ 3.0	+ 0.3	+ 0.4
Aug	+ 0.02	+ 0.05	+ 0.3	+ 0.3	- 0.1	+ 0.1	+ 0.04	+ 0.24	+ 2.7	+ 1.5	+ 0.4	+ 0.7
Sept	+ 0.02	+ 0.01	+ 0.1	+ 0.2	+ 0.2	+ 0.1	+ 0.20	+ 0.03	+ 5.5	+ 4.3	+ 1.5	+ 0.3
Oct	- 0.04	- 0.09	- 1.7	- 1.4	- 1.4	- 1.3	- 0.03	+ 0.15	+ 3.8	+ 3.3	- 0.5	+ 0.6
Nov	+ 0.05	+ 0.06	+ 1.6	+ 1.3	+ 0.3	+ 0.2	+ 0.40	+ 0.43	+ 4.4	+ 4.3	+ 1.3	+ 1.1
Dec	+ 0.04	+ 0.09	+ 0.3	+ 0.2	+ 0.1	+ 0.2	+ 0.40	+ 0.23	- 1.6	- 1.4	+ 0.9	+ 0.1
I	+ 0.02	+ 0.04	+ 0.4	+ 0.3	0.0	0.0	+ 0.29	+ 0.17	+ 2.0	+ 2.0	+ 1.1	+ 0.6
II	+ 0.01	0.00	- 0.4	- 0.2	- 0.3	- 0.3	+ 0.08	+ 0.17	+ 3.4	+ 2.9	+ 0.4	+ 0.9
III	+ 0.01	+ 0.02	+ 0.1	0.0	0.0	0.0	+ 0.07	+ 0.08	+ 2.8	+ 2.9	+ 0.8	+ 0.8
Year	+ 0.02	+ 0.02	0.0	0.0	- 0.1	- 0.1	+ 0.14	+ 0.14	+ 2.7	+ 2.6	+ 0.7	+ 0.8
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.18	+ 0.12	+ 2.6	+ 2.2	+ 1.0	+ 2.6	+ 0.52	+ 0.62	- 11.8	- 14.2	+ 1.6	+ 0.6
Feb	+ 0.22	+ 0.62	+ 6.8	+ 5.6	+ 5.2	+ 3.0	+ 0.40	+ 0.14	- 7.8	- 12.0	+ 4.2	+ 2.6
Mar	- 0.62	+ 0.02	+ 0.2	- 3.4	+ 0.2	+ 5.0	+ 1.52	+ 1.78	- 9.2	- 10.6	+ 4.0	+ 3.2
Apr	- 0.34	- 0.86	+ 8.6	+ 8.8	+ 0.2	- 0.6	- 0.04	- 0.12	- 7.4	- 2.0	- 2.2	- 2.2
May	- 0.06	- 0.12	+ 5.4	+ 6.2	+ 2.2	+ 1.4	- 0.16	- 0.76	- 11.0	- 13.8	- 5.2	- 7.6
Jun	+ 0.08	+ 0.28	+ 1.6	+ 0.6	- 0.2	+ 0.4	- 0.24	- 0.58	- 19.0	- 20.4	- 4.0	- 4.8
Jul	+ 0.24	+ 0.32	+ 4.6	+ 5.4	+ 1.2	+ 2.4	+ 0.30	+ 0.20	- 23.0	- 22.6	- 3.2	- 2.8
Aug	- 0.04	+ 0.34	+ 4.2	+ 1.2	+ 0.6	+ 1.2	- 0.24	- 0.40	- 3.6	- 1.0	- 2.2	- 0.4
Sept	- 0.08	+ 0.12	+ 4.2	+ 2.4	+ 1.8	+ 4.0	- 0.14	- 0.70	- 10.0	- 4.8	- 3.6	- 8.8
Oct	0.00	- 0.12	+ 4.2	+ 7.0	- 2.6	- 3.4	- 1.38	- 0.30	- 25.4	- 24.4	- 8.8	- 1.2
Nov	- 0.16	+ 0.44	- 0.2	+ 1.4	- 1.4	+ 2.4	+ 1.88	+ 1.68	- 27.6	- 25.2	+ 3.8	0.0
Dec	+ 0.04	- 0.14	+ 1.4	+ 0.6	- 3.4	- 4.4	- 0.52	- 0.72	- 11.6	- 13.8	- 3.6	- 4.4
I	- 0.02	+ 0.26	+ 2.6	+ 2.4	+ 0.4	+ 0.9	+ 0.57	+ 0.43	- 14.7	- 16.3	+ 1.5	- 0.3
II	- 0.26	- 0.21	+ 4.3	+ 3.7	- 0.1	+ 1.2	- 0.01	+ 0.16	- 13.0	- 10.4	- 2.6	- 2.2
III	+ 0.06	+ 0.20	+ 4.0	+ 3.4	+ 1.0	+ 1.4	- 0.08	- 0.38	- 14.2	- 14.4	- 3.6	- 3.9
Year	- 0.08	+ 0.08	+ 3.6	+ 3.2	+ 0.4	+ 1.2	+ 0.16	+ 0.07	- 14.0	- 13.7	- 1.6	- 2.2

Table 22. Mean daily noncyclic change, 1937

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--120° East MT						Ten selected days--120° East MT					
Jan	+ 0.03	+ 0.02	+ 0.2	+ 0.1	+ 0.3	+ 0.2	+ 0.01	- 0.04	+ 2.1	+ 2.1	+ 0.8	+ 0.6
Feb	- 0.02	- 0.02	- 0.1	- 0.3	- 0.2	- 0.2	+ 0.19	+ 0.07	+ 2.5	+ 0.5	+ 0.9	- 0.7
Mar	0.00	- 0.03	- 2.2	- 2.0	- 0.7	- 0.8	+ 0.64	+ 0.53	+10.2	+10.5	+ 3.6	+ 2.9
Apr	+ 0.01	+ 0.03	+ 0.5	+ 0.4	- 0.3	- 0.3	+ 0.61	+ 0.50	+ 7.6	+ 7.9	+ 4.5	+ 3.7
May	+ 0.04	+ 0.06	+ 1.1	+ 1.1	- 0.1	0.0	+ 0.55	+ 0.11	+13.2	+ 9.6	+ 4.9	+ 1.2
Jun	+ 0.01	+ 0.01	+ 0.6	+ 0.6	+ 0.9	+ 0.9	+ 0.49	+ 0.40	+ 8.2	+ 8.8	+ 6.3	+ 4.8
Jul	+ 0.01	0.00	- 0.2	- 0.2	- 0.1	- 0.1	+ 0.57	+ 0.48	+ 4.9	+ 6.4	+ 4.2	+ 3.8
Aug	+ 0.04	+ 0.02	+ 0.2	+ 0.1	+ 0.2	+ 0.2	+ 0.23	+ 0.24	+ 8.1	+ 7.6	+ 2.4	+ 2.5
Sep	- 0.01	- 0.04	+ 0.8	+ 0.6	0.0	- 0.3	+ 0.38	+ 0.58	- 0.3	+ 1.3	+ 1.8	+ 2.3
Oct	+ 0.03	+ 0.07	- 1.0	- 0.6	- 0.7	- 0.4	+ 0.38	+ 0.09	+ 4.4	+ 4.9	+ 0.8	- 0.2
Nov	- 0.14	- 0.15	- 1.7	- 0.9	- 1.2	- 0.8	- 0.19	- 0.10	+ 5.0	+ 5.2	- 0.3	+ 1.1
Dec	+ 0.08	+ 0.09	+ 1.8	+ 1.3	+ 0.4	+ 0.3	+ 0.27	+ 0.15	+ 7.1	+ 6.4	+ 2.5	+ 2.0
I	- 0.01	- 0.02	0.0	0.0	- 0.2	- 0.1	+ 0.07	+ 0.02	+ 4.2	+ 3.6	+ 1.0	+ 0.8
II	+ 0.01	+ 0.01	- 0.5	- 0.4	- 0.4	- 0.4	+ 0.50	+ 0.42	+ 5.5	+ 6.2	+ 2.7	+ 2.2
III	+ 0.02	+ 0.02	+ 0.4	+ 0.4	+ 0.2	+ 0.2	+ 0.46	+ 0.31	+ 8.6	+ 8.1	+ 4.4	+ 3.1
Year	+ 0.01	0.00	0.0	0.0	- 0.1	- 0.1	+ 0.34	+ 0.25	+ 6.1	+ 5.9	+ 2.7	+ 2.0
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.72	- 0.80	+ 5.6	+ 3.0	+ 0.8	- 3.0	- 1.56	- 2.68	- 8.2	-13.4	+ 1.0	- 5.0
Feb	+ 0.04	- 0.40	+ 8.4	+ 7.2	+ 1.2	- 0.2	- 1.22	- 0.40	-31.0	-24.2	- 0.8	+ 1.6
Mar	+ 0.46	+ 0.36	+ 8.6	+ 7.2	+ 2.4	+ 2.8	+ 0.68	- 0.68	-37.8	-36.6	- 3.0	+ 2.2
Apr	- 0.38	- 0.66	- 1.0	- 1.2	- 4.0	- 4.2	- 0.22	- 0.36	-19.6	-16.0	- 6.4	- 7.0
May	+ 0.14	+ 0.10	+ 6.4	+ 3.8	+ 1.4	+ 0.4	- 0.18	- 0.04	- 6.2	- 6.0	- 5.2	- 3.4
Jun	- 0.30	- 0.40	+ 7.0	+ 5.8	- 3.4	- 3.4	+ 0.54	+ 0.10	-20.0	-21.4	- 1.4	- 2.6
Jul	- 0.14	- 0.10	+ 4.6	+ 5.0	+ 2.6	+ 3.2	+ 0.34	+ 0.44	-17.0	-11.4	- 1.2	- 0.2
Aug	- 0.08	- 0.28	+ 9.6	+10.8	+ 1.6	- 0.6	+ 0.08	0.00	-21.0	-19.8	- 7.0	- 6.4
Sep	+ 0.06	- 0.58	+10.2	+ 8.8	0.0	- 1.0	- 0.72	+ 0.54	-25.0	-28.8	- 1.2	+ 3.6
Oct	- 0.42	- 0.30	+ 8.4	+ 6.0	0.0	+ 1.4	+ 0.36	+ 0.28	- 6.2	+ 2.6	- 3.0	- 3.4
Nov	0.00	+ 0.02	+ 1.8	+ 0.4	+ 0.4	- 0.2	+ 1.22	+ 0.44	-10.6	-12.2	+ 3.2	- 2.8
Dec	- 0.06	+ 0.08	+ 9.0	+ 9.8	- 1.4	- 0.2	+ 0.20	- 0.30	- 8.0	- 6.4	+ 0.6	- 2.8
I	- 0.18	- 0.28	+ 6.2	+ 5.1	+ 0.2	- 0.9	- 0.34	- 0.74	-14.4	-14.0	+ 1.0	- 2.2
II	- 0.07	- 0.30	+ 6.4	+ 5.2	- 0.4	- 0.2	+ 0.02	- 0.06	-22.2	-19.7	- 3.4	- 1.2
III	- 0.10	- 0.17	+ 6.9	+ 6.4	+ 0.6	- 0.1	+ 0.20	+ 0.12	-16.0	-14.6	- 3.7	- 3.2
Year	- 0.12	- 0.25	+ 6.6	+ 5.6	+ 0.1	- 0.4	- 0.04	- 0.22	-17.6	-16.1	- 2.0	- 2.2

Table 23. Mean daily noncyclic change, 1938

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--120° East MT						Ten selected days--120° East MT					
Jan	- 0.04	+ 0.01	+ 0.2	- 0.9	- 0.5	- 0.6	+ 1.02	+ 0.42	+ 7.9	+ 7.7	+ 5.5	+ 2.5
Feb	+ 0.16	+ 0.13	+ 0.1	+ 1.1	+ 0.9	+ 0.9	+ 0.69	+ 0.67	+ 9.2	+ 8.8	+ 5.6	+ 4.3
Mar	+ 0.01	+ 0.02	0.0	- 0.4	0.0	- 0.2	+ 0.33	+ 0.46	+16.4	+15.5	+ 3.8	+ 3.6
Apr	0.00	- 0.01	- 0.3	- 0.6	- 0.4	- 0.4	+ 0.08	+ 0.15	+ 3.6	+ 1.7	+ 1.4	+ 1.2
May	+ 0.01	+ 0.06	- 0.6	- 0.4	0.0	+ 0.2	+ 0.38	+ 0.42	+ 6.8	+ 7.8	+ 3.8	+ 3.8
Jun	+ 0.01	- 0.03	+ 0.7	+ 0.9	+ 0.4	+ 0.3	- 0.31	- 0.10	+ 0.2	+ 0.4	- 0.2	+ 0.7
Jul	+ 0.02	+ 0.02	- 0.8	- 0.8	- 0.6	- 0.7	+ 0.32	+ 0.29	+ 5.9	+ 5.7	+ 1.8	+ 1.0
Aug	+ 0.03	+ 0.01	+ 1.0	+ 0.9	- 0.1	- 0.1	+ 0.09	+ 0.01	+ 4.8	+ 4.2	+ 0.7	+ 0.5
Sep	+ 0.01	+ 0.03	- 0.3	- 0.3	- 0.6	- 0.4	+ 0.26	+ 0.26	+ 8.5	+ 7.7	+ 3.3	+ 2.5
Oct	+ 0.05	+ 0.03	+ 0.8	+ 0.8	+ 0.2	0.0	+ 0.24	+ 0.13	+ 7.0	+ 6.7	+ 2.5	+ 1.4
Nov	0.00	0.00	+ 0.4	+ 0.3	- 0.3	- 0.4	+ 0.09	+ 0.09	+ 3.1	+ 3.6	+ 1.0	+ 0.9
Dec	0.00	0.00	+ 0.2	+ 0.1	+ 0.1	+ 0.2	+ 0.25	+ 0.14	+ 6.3	+ 4.9	+ 2.9	+ 2.1
I	+ 0.03	+ 0.04	+ 0.2	+ 0.2	0.0	0.0	+ 0.51	+ 0.34	+ 6.6	+ 6.2	+ 3.8	+ 2.4
II	+ 0.02	+ 0.02	0.0	- 0.1	- 0.2	- 0.2	+ 0.23	+ 0.25	+ 8.9	+ 7.9	+ 2.8	+ 2.2
III	+ 0.02	+ 0.02	+ 0.1	+ 0.2	- 0.1	- 0.1	+ 0.12	+ 0.16	+ 4.4	+ 4.5	+ 1.5	+ 1.5
Year	+ 0.02	+ 0.02	+ 0.1	+ 0.1	- 0.1	- 0.1	+ 0.29	+ 0.24	+ 6.6	+ 6.2	+ 2.7	+ 2.0
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.30	- 0.12	+13.2	+18.8	- 1.0	- 2.4	- 2.94	- 2.00	-38.6	-44.4	- 8.6	- 9.2
Feb	+ 0.64	- 0.18	+14.8	+15.4	+ 2.6	- 1.6	+ 0.08	+ 1.32	-26.6	-22.4	- 1.2	+ 9.8
Mar	+ 0.68	+ 0.84	+ 5.6	+ 6.6	+ 6.6	+ 6.2	- 0.62	- 1.44	-26.2	-24.8	- 8.6	-10.4
Apr	+ 0.08	- 0.16	+ 3.8	+ 5.6	+ 2.6	+ 2.4	- 0.86	+ 0.02	-22.6	-24.6	- 6.4	+ 1.8
May	- 0.06	- 0.26	+ 7.2	+ 8.8	- 0.2	- 1.4	+ 2.06	+ 0.80	-23.0	-21.8	+ 4.0	- 1.6
Jun	- 0.17	- 0.63	+ 3.0	+ 0.8	- 0.5	- 0.2	- 0.74	- 0.12	-14.0	- 9.0	- 9.4	- 2.6
Jul	+ 0.08	- 0.20	+ 3.0	+ 2.6	- 0.2	- 2.4	- 1.86	- 1.22	-29.6	-22.8	- 6.6	0.0
Aug	- 0.14	- 0.40	+10.4	+ 7.0	+ 1.2	+ 0.4	+ 0.62	+ 0.26	-15.2	-14.8	- 4.2	- 2.8
Sep	- 0.06	- 0.48	+ 8.6	+ 8.4	+ 2.6	+ 2.4	- 0.16	+ 0.32	-26.0	-26.0	- 5.2	- 4.2
Oct	+ 0.52	+ 0.64	+ 5.8	+ 7.2	+ 2.6	+ 3.8	- 0.96	- 1.38	-12.4	-18.6	- 7.6	- 9.6
Nov	- 0.24	- 0.34	+ 6.0	+ 6.6	- 1.2	+ 2.0	- 1.24	- 0.74	-18.6	-26.0	- 4.6	- 3.0
Dec	- 1.60	- 1.52	+ 0.4	+ 1.4	- 4.0	- 2.8	- 0.92	- 0.40	-39.2	-38.2	+ 4.8	+ 7.4
I	- 0.38	- 0.54	+ 8.6	+10.6	- 0.9	- 1.2	- 1.26	- 0.46	-30.8	-32.8	- 2.4	+ 1.2
II	+ 0.30	+ 0.21	+ 6.0	+ 7.0	+ 3.6	+ 3.7	- 0.65	- 0.62	-21.8	-23.5	- 7.0	- 5.6
III	- 0.07	- 0.37	+ 5.9	+ 4.8	+ 0.1	- 0.9	- 0.02	- 0.07	-20.4	-17.1	- 4.0	- 1.8
Year	- 0.05	- 0.23	+ 6.8	+ 7.4	+ 0.9	+ 0.5	- 0.63	- 0.38	-24.3	-24.4	- 4.5	- 2.0

Table 24. Mean daily noncyclic change, 1939

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--120° East MT						Ten selected days--120° East MT					
Jan	- 0.01	0.00	- 0.4	- 0.4	+ 0.2	+ 0.2	+ 0.05	- 0.10	+ 0.2	+ 0.9	+ 0.4	0.0
Feb	+ 0.03	- 0.08	- 1.1	- 1.0	- 0.3	- 0.8	+ 0.51	+ 0.97	+12.2	+13.1	+ 4.5	+ 6.0
Mar	- 0.09	+ 0.10	+ 0.1	- 0.4	0.0	+ 0.7	+ 1.11	+ 0.58	+ 0.3	+ 5.5	+ 4.0	+ 2.6
Apr	+ 0.08	+ 0.04	- 0.4	+ 0.2	- 0.4	- 0.4	+ 0.16	- 0.02	+ 5.0	+ 3.4	+ 0.4	0.0
May	+ 0.07	+ 0.02	+ 0.7	+ 0.6	+ 0.5	+ 0.3	+ 0.11	+ 0.29	+ 5.0	+ 4.9	+ 2.5	+ 3.1
Jun	- 0.03	- 0.03	- 0.1	- 0.2	0.0	0.0	+ 0.70	+ 0.51	+10.8	+ 7.7	+ 5.8	+ 2.8
Jul	+ 0.05	+ 0.05	+ 0.3	- 0.4	0.0	0.0	+ 0.30	+ 0.38	+ 6.2	+ 2.6	+ 3.6	+ 3.1
Aug	+ 0.02	+ 0.02	+ 0.2	+ 1.1	- 0.1	- 0.1	+ 0.28	+ 0.29	+ 4.5	+ 5.3	+ 2.9	+ 2.6
Sep	- 0.01	0.00	- 0.9	- 0.7	- 0.4	- 0.3	+ 0.30	+ 0.20	+ 5.4	+ 3.6	+ 2.4	+ 1.2
Oct	+ 0.05	+ 0.02	+ 0.6	+ 0.4	- 0.1	- 0.3	+ 0.87	+ 0.81	+11.3	+ 9.1	+ 5.5	+ 3.1
Nov	- 0.02	+ 0.05	+ 0.4	+ 0.3	0.0	+ 0.1	+ 0.20	+ 0.42	+ 3.0	+ 3.0	+ 0.5	+ 1.7
Dec	+ 0.07	+ 0.03	+ 0.4	+ 0.4	- 0.2	- 0.3	+ 0.18	+ 0.25	+ 0.5	+ 0.5	+ 1.1	+ 0.2
I	+ 0.02	0.00	- 0.2	- 0.2	- 0.1	- 0.2	+ 0.24	+ 0.38	+ 4.0	+ 4.4	+ 1.6	+ 2.0
II	+ 0.01	+ 0.04	- 0.2	- 0.1	- 0.2	- 0.1	+ 0.61	+ 0.39	+ 5.5	+ 5.4	+ 3.1	+ 1.7
III	+ 0.03	+ 0.02	+ 0.3	+ 0.3	+ 0.1	0.0	+ 0.35	+ 0.37	+ 6.6	+ 5.1	+ 3.7	+ 2.9
Year	+ 0.02	+ 0.02	0.0	0.0	- 0.1	- 0.1	+ 0.40	+ 0.38	+ 5.4	+ 5.0	+ 2.8	+ 2.2
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.28	- 0.08	+ 6.0	+ 1.6	- 1.4	+ 1.8	+ 2.12	+ 1.50	- 8.8	- 8.0	+ 4.4	- 1.0
Feb	+ 0.30	+ 0.66	+ 8.4	+ 7.2	+ 6.2	+ 6.2	+ 0.50	+ 1.32	- 32.0	- 33.2	- 1.6	- 0.4
Mar	+ 0.08	+ 0.56	+ 6.2	+ 5.0	+ 3.0	+ 5.6	+ 0.78	+ 0.42	- 5.2	- 8.6	+ 0.2	- 3.0
Apr	- 0.16	+ 0.22	+ 7.0	+ 7.2	+ 1.4	+ 3.2	+ 1.12	+ 0.04	- 40.0	- 20.2	+ 1.6	- 3.0
May	+ 0.34	+ 0.40	+ 5.6	+ 5.0	+ 1.8	+ 2.8	+ 0.22	+ 0.32	- 9.6	- 9.8	+ 1.0	+ 1.0
Jun	- 0.12	- 0.18	+ 1.8	+ 5.0	+ 1.0	+ 1.0	- 0.08	- 0.76	- 11.2	- 19.2	- 1.0	- 5.8
Jul	- 0.26	+ 0.10	+ 7.8	+ 6.6	- 1.2	+ 1.6	- 0.66	- 0.94	- 20.6	- 18.2	- 2.0	- 1.6
Aug	0.00	0.00	+ 1.8	- 1.2	+ 1.6	+ 2.4	- 0.20	+ 0.26	- 23.6	- 29.2	- 7.8	- 6.6
Sep	+ 0.64	+ 0.52	+ 3.6	+ 6.8	+ 0.8	- 0.4	- 0.58	+ 0.12	- 33.6	- 36.2	- 3.4	+ 0.2
Oct	- 0.54	- 0.02	+ 4.6	+ 4.2	- 1.2	+ 2.0	- 0.16	+ 0.08	- 24.2	- 28.2	- 2.4	- 0.8
Nov	- 0.38	- 0.10	+ 5.4	+ 6.8	- 0.8	+ 2.2	- 0.14	- 0.12	- 8.2	- 8.6	0.0	- 2.4
Dec	+ 0.16	+ 0.04	+10.8	+10.0	+ 2.0	+ 0.4	- 1.22	- 0.42	- 14.0	- 15.0	- 5.0	+ 0.6
I	- 0.05	+ 0.13	+ 7.6	+ 6.4	+ 1.5	+ 2.6	+ 0.32	+ 0.57	- 15.8	- 16.2	- 0.6	- 0.8
II	0.00	+ 0.32	+ 5.4	+ 5.8	+ 1.0	+ 2.6	+ 0.29	+ 0.16	- 25.8	- 23.3	- 1.0	- 1.6
III	- 0.01	+ 0.08	+ 4.2	+ 3.8	+ 0.8	+ 2.0	- 0.18	- 0.28	- 16.2	- 19.1	- 2.4	- 3.2
Year	- 0.02	+ 0.18	+ 5.8	+ 5.4	+ 1.1	+ 2.4	+ 0.14	+ 0.15	- 19.2	- 19.5	- 1.3	- 1.9

Table 25. Mean daily noncyclic change, 1940

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--120° East MT						Ten selected days--120° East MT					
Jan	- 0.04	- 0.18	- 0.7	+ 0.3	- 0.6	- 0.8	+ 0.02	- 0.27	+ 2.9	+ 1.3	- 0.5	- 1.7
Feb	+ 0.06	+ 0.16	+ 0.6	0.0	0.0	+ 0.2	+ 0.06	+ 0.33	+ 7.0	+ 3.6	+ 3.0	+ 2.7
Mar	- 0.01	+ 0.13	- 5.3	- 4.8	- 1.7	- 1.1	+ 0.26	+ 0.11	+ 6.0	+ 6.4	+ 3.0	+ 1.9
Apr	- 0.04	- 0.13	+ 4.8	+ 3.8	+ 1.5	+ 1.0	+ 0.20	+ 0.05	+ 4.3	+ 2.7	+ 1.2	+ 0.8
May	+ 0.07	+ 0.06	+ 0.2	+ 0.3	+ 0.4	+ 0.3	+ 0.16	+ 0.11	+ 0.7	+ 1.4	+ 0.9	+ 0.7
Jun	- 0.02	- 0.03	- 0.9	- 0.9	- 0.4	- 0.4	+ 0.65	+ 0.36	+ 9.6	+ 8.3	+ 4.7	+ 2.9
Jul	0.00	+ 0.02	+ 0.9	+ 0.7	+ 0.3	+ 0.2	+ 0.16	+ 0.14	+ 2.9	+ 3.4	+ 1.2	+ 1.4
Aug	+ 0.03	+ 0.01	+ 0.3	+ 0.2	- 0.2	- 0.1	+ 0.34	+ 0.33	+ 5.1	+ 3.7	+ 2.0	+ 1.5
Sep	+ 0.01	+ 0.02	- 0.5	- 0.3	- 0.4	- 0.4	+ 1.00	+ 0.40	+ 9.8	+ 8.6	+ 5.6	+ 1.8
Oct	- 0.03	- 0.03	+ 0.2	0.0	- 0.3	- 0.2	+ 0.64	+ 0.42	+ 7.3	+ 5.8	+ 4.6	+ 3.3
Nov	0.00	+ 0.04	+ 0.4	+ 0.3	- 0.4	- 0.2	+ 0.89	+ 0.77	+ 9.0	+ 7.5	+ 6.0	+ 3.2
Dec	- 0.03	- 0.12	- 0.1	+ 0.5	- 0.6	- 0.8	+ 0.52	+ 0.75	+ 5.1	+ 3.2	+ 3.3	+ 3.7
I	0.00	- 0.02	0.0	+ 0.3	- 0.4	- 0.4	+ 0.37	+ 0.40	+ 6.0	+ 3.9	+ 3.0	+ 2.0
II	- 0.02	0.00	- 0.2	- 0.3	- 0.2	- 0.2	+ 0.52	+ 0.24	+ 6.8	+ 5.9	+ 3.6	+ 2.0
III	+ 0.02	+ 0.02	+ 0.1	+ 0.1	0.0	0.0	+ 0.33	+ 0.24	+ 4.6	+ 4.2	+ 2.2	+ 1.6
Year	0.00	0.00	0.0	0.0	- 0.2	- 0.2	+ 0.41	+ 0.29	+ 5.8	+ 4.7	+ 2.9	+ 1.8
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.76	+ 0.60	+ 3.8	+ 1.2	+ 3.2	+ 2.6	- 1.48	+ 0.18	- 34.2	- 32.4	+ 0.8	+ 6.8
Feb	+ 0.16	- 0.20	+ 7.0	+ 9.2	+ 1.2	+ 0.2	- 1.62	- 1.72	- 12.0	- 13.6	- 9.6	- 8.6
Mar	+ 0.36	- 0.36	+ 7.4	+ 8.0	- 0.4	- 2.8	- 0.95	- 0.95	- 69.3	- 81.7	+ 1.7	- 7.5
Apr	- 0.08	- 0.16	+ 2.4	+ 1.4	+ 0.8	- 0.8	+ 0.36	- 0.04	+ 5.2	+ 5.0	+ 1.0	- 0.2
May	- 0.16	- 0.18	+ 5.6	+ 5.2	+ 0.4	+ 0.4	+ 0.32	+ 1.40	- 15.0	- 17.8	+ 0.8	+ 5.0
Jun	+ 0.08	- 0.28	+ 6.6	+ 5.2	+ 3.2	+ 0.8	- 0.82	- 0.74	- 24.6	- 25.6	- 8.6	- 6.4
Jul	+ 0.18	+ 0.32	0.0	+ 6.6	+ 1.0	+ 2.8	+ 0.50	+ 0.08	- 9.8	- 6.0	- 1.6	- 1.2
Aug	+ 0.32	+ 0.10	+ 8.0	+ 9.2	+ 3.0	+ 2.2	+ 1.52	+ 1.06	- 20.8	- 18.8	+ 5.4	+ 4.2
Sep	- 0.18	- 0.06	+ 12.6	+ 14.4	- 3.6	- 1.4	- 0.14	- 0.38	- 12.0	- 12.6	- 1.4	- 1.4
Oct	+ 0.02	+ 0.40	+ 2.6	+ 2.6	+ 3.0	+ 4.6	- 0.26	- 0.36	- 22.0	- 15.2	+ 5.0	+ 3.8
Nov	+ 0.38	+ 0.48	+ 8.4	+ 7.4	- 0.2	- 0.6	- 1.08	- 1.26	- 13.8	- 16.4	+ 0.6	- 6.4
Dec	- 0.50	- 0.80	+ 7.4	+ 9.0	- 2.4	- 2.0	+ 0.12	+ 0.60	- 8.0	- 8.0	+ 1.2	0.0
I	+ 0.20	+ 0.02	+ 6.6	+ 6.7	+ 0.4	0.0	- 1.02	- 0.55	- 17.0	- 17.6	- 1.8	- 2.0
II	+ 0.03	- 0.04	+ 6.2	+ 6.6	0.0	- 0.1	- 0.25	- 0.43	- 24.5	- 26.1	+ 1.6	- 1.3
III	+ 0.10	- 0.01	+ 5.0	+ 6.6	+ 1.9	+ 1.6	+ 0.38	+ 0.45	- 17.6	- 17.0	- 1.0	+ 0.4
Year	+ 0.11	- 0.01	+ 6.0	+ 6.6	+ 0.8	+ 0.5	- 0.29	- 0.18	- 19.7	- 20.3	- 0.4	- 1.0

Table 26. Mean daily noncyclic change, 1941

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--120° East MT						Ten selected days--120° East MT					
Jan	+ 0.11	+ 0.16	+ 0.4	0.0	+ 0.8	+ 0.7	+ 0.67	+ 0.88	+ 9.0	+10.9	+ 3.6	+ 4.6
Feb	+ 0.02	+ 0.01	+ 0.1	+ 0.4	- 0.2	+ 0.1	+ 0.17	- 0.11	+ 2.0	+ 4.3	+ 0.1	+ 0.1
Mar	- 0.02	+ 0.01	- 2.1	- 2.3	- 0.3	- 0.5	+ 0.04	- 0.04	+ 2.4	+ 0.6	+ 0.8	+ 0.2
Apr	+ 0.02	+ 0.01	+ 1.3	+ 1.3	0.0	- 0.1	+ 0.21	+ 0.13	+ 5.2	+ 5.1	+ 0.8	+ 0.6
May	- 0.05	- 0.01	0.0	+ 0.1	- 0.4	0.0	+ 0.16	+ 0.32	+ 5.3	+ 5.1	+ 1.7	+ 2.1
Jun	+ 0.05	+ 0.03	+ 0.5	+ 0.5	+ 0.7	+ 0.4	+ 0.15	+ 0.24	+ 5.9	+ 4.8	+ 1.5	+ 0.9
Jul	+ 0.04	+ 0.02	- 0.2	- 0.2	- 0.1	- 0.2	+ 0.10	+ 0.09	+ 2.9	+ 2.9	+ 1.3	+ 0.5
Aug	0.00	0.00	- 0.4	- 0.4	- 0.3	- 0.3	+ 0.20	+ 0.24	+ 4.8	+ 5.0	+ 2.5	+ 3.2
Sep	- 0.01	- 0.03	+ 0.3	+ 0.1	- 0.3	- 0.3	+ 0.50	+ 0.56	+ 4.4	+ 6.8	+ 1.6	+ 2.5
Oct	0.00	- 0.04	0.0	+ 0.4	- 0.2	- 0.3	+ 0.52	+ 0.24	+ 5.9	+ 4.3	+ 2.6	+ 1.5
Nov	+ 0.03	+ 0.08	0.0	- 0.2	- 0.3	- 0.1	+ 0.98	+ 0.98	+ 9.7	+10.5	+ 4.2	+ 4.3
Dec	+ 0.02	- 0.02	+ 0.4	+ 0.7	0.0	0.0	+ 0.07	- 0.10	+ 3.5	+ 4.6	+ 1.4	+ 0.7
I	+ 0.04	+ 0.06	+ 0.2	+ 0.2	+ 0.1	+ 0.2	+ 0.47	+ 0.41	+ 6.0	+ 7.6	+ 2.3	+ 2.4
II	0.00	- 0.01	- 0.1	- 0.1	- 0.2	- 0.3	+ 0.32	+ 0.22	+ 4.5	+ 4.2	+ 1.4	+ 1.2
III	+ 0.01	+ 0.01	0.0	0.0	0.0	0.0	+ 0.15	+ 0.22	+ 4.7	+ 4.4	+ 1.8	+ 1.7
Year	+ 0.02	+ 0.02	0.0	0.0	0.0	0.0	+ 0.31	+ 0.29	+ 5.1	+ 5.4	+ 1.8	+ 1.8
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.98	+ 0.82	+14.6	+10.4	+ 8.0	+ 3.8	+ 0.40	+ 1.16	- 14.8	- 12.8	- 1.0	0.0
Feb	- 0.52	- 1.06	+ 2.6	+ 1.0	- 0.8	- 3.8	+ 1.14	+ 0.42	- 11.4	- 11.2	+ 2.0	- 4.8
Mar	- 1.06	- 1.08	+10.2	+ 4.0	- 0.2	- 0.4	+ 0.66	+ 0.60	- 70.2	- 58.0	- 2.2	- 4.2
Apr	- 0.66	- 0.52	+ 4.0	+ 6.6	- 0.6	- 0.6	+ 0.10	+ 0.84	- 7.6	- 6.8	+ 0.2	+ 2.2
May	+ 0.24	+ 0.28	+ 7.8	+ 8.2	+ 2.8	+ 3.6	+ 0.24	+ 0.28	- 7.2	- 7.0	- 0.8	- 1.2
Jun	- 0.22	- 0.38	+ 2.2	+ 2.0	- 0.8	- 1.8	- 0.20	- 0.32	- 6.0	- 7.6	- 3.4	- 2.0
Jul	+ 0.20	+ 0.04	+ 1.2	- 0.8	+ 2.6	+ 2.2	- 0.42	- 0.38	- 19.0	- 17.4	- 9.2	- 9.2
Aug	+ 0.06	0.00	+ 6.2	+ 5.0	+ 1.2	+ 1.0	+ 0.50	+ 2.94	- 23.8	- 30.6	+ 2.6	+11.6
Sep	- 0.28	- 0.04	+ 9.6	+10.4	+ 2.2	+ 1.8	- 0.18	+ 0.12	- 22.2	- 19.0	- 3.2	- 1.2
Oct	+ 0.24	- 0.22	+ 2.8	+ 1.0	- 1.2	- 2.6	- 0.06	- 0.16	- 27.0	- 34.6	- 1.0	- 2.8
Nov	- 0.96	- 0.74	+ 8.6	+10.6	- 1.0	+ 2.0	- 0.38	+ 0.44	- 28.6	- 20.4	- 2.2	- 2.4
Dec	+ 0.86	+ 1.50	+ 6.6	+ 8.2	+ 7.0	+ 7.8	- 0.68	- 0.90	- 1.8	+ 0.4	- 6.0	- 6.0
I	+ 0.09	+ 0.13	+ 8.1	+ 7.6	+ 3.3	+ 2.4	+ 0.12	+ 0.28	- 14.2	- 11.0	- 1.8	- 3.3
II	- 0.44	- 0.46	+ 6.6	+ 5.5	0.0	- 0.4	+ 0.13	+ 0.35	- 31.8	- 29.6	- 1.6	- 1.5
III	+ 0.07	- 0.02	+ 4.4	+ 3.6	+ 1.4	+ 1.2	+ 0.03	+ 0.63	- 14.0	- 15.6	- 2.7	- 0.2
Year	- 0.09	- 0.12	+ 6.4	+ 5.6	+ 1.6	+ 1.1	+ 0.09	+ 0.42	- 20.0	- 18.8	- 2.0	- 1.7

Table 27. Mean daily noncyclic change, 1942

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--120° East MT						Ten selected days--120° East MT					
Jan	+ 0.03	+ 0.06	+ 1.0	+ 0.6	0.0	- 0.2	+ 0.34	+ 0.31	+ 6.0	+ 4.2	+ 3.2	+ 0.7
Feb	- 0.17	- 0.19	- 2.2	- 1.4	- 1.8	- 1.3	+ 0.04	+ 0.34	+ 4.9	+ 5.0	- 1.3	+ 1.7
Mar	+ 0.18	+ 0.21	+ 1.5	+ 0.8	+ 1.4	+ 1.1	+ 0.45	+ 0.58	+ 4.8	+ 6.1	+ 1.6	+ 3.0
Apr	- 0.06	- 0.07	- 0.7	- 0.6	- 0.7	- 0.6	+ 0.47	+ 0.17	+10.0	+ 8.0	+ 2.4	+ 0.7
May	+ 0.05	+ 0.07	+ 0.7	+ 0.6	+ 0.5	+ 0.5	+ 0.10	+ 0.03	+ 0.4	+ 1.3	+ 2.1	+ 1.0
Jun	+ 0.01	- 0.02	- 0.3	- 0.2	+ 0.1	0.0	+ 0.34	+ 0.03	+ 5.8	+ 4.7	+ 3.0	+ 1.2
Jul	+ 0.03	+ 0.06	+ 0.6	+ 0.3	+ 0.1	+ 0.1	0.00	+ 0.11	+ 3.7	+ 3.2	+ 0.8	+ 1.0
Aug	- 0.03	- 0.03	- 1.1	- 0.8	- 0.7	- 0.5	+ 0.21	+ 0.14	+ 3.4	+ 3.7	+ 1.1	+ 0.6
Sep	+ 0.09	+ 0.07	+ 1.1	+ 1.0	+ 0.2	0.0	- 0.09	- 0.20	+ 1.6	0.0	- 1.8	- 2.1
Oct	- 0.06	- 0.06	- 0.6	- 0.8	- 0.7	- 0.7	+ 0.29	+ 0.54	+ 8.5	+ 9.1	+ 1.6	+ 3.2
Nov	+ 0.06	+ 0.05	+ 0.2	+ 0.4	- 0.1	- 0.1	- 0.18	+ 0.02	- 0.9	+ 0.1	- 0.8	+ 0.3
Dec	+ 0.02	+ 0.04	+ 0.7	+ 0.7	+ 0.2	+ 0.2	+ 0.06	- 0.05	+ 3.8	+ 2.4	+ 1.9	+ 0.3
I	- 0.02	- 0.01	- 0.1	+ 0.1	- 0.4	- 0.4	+ 0.06	+ 0.16	+ 3.4	+ 2.9	+ 0.8	+ 0.8
II	+ 0.04	+ 0.04	+ 0.3	+ 0.1	0.0	0.0	+ 0.28	+ 0.27	+ 6.2	+ 5.8	+ 1.0	+ 1.2
III	+ 0.02	+ 0.02	0.0	0.0	0.0	0.0	+ 0.16	+ 0.08	+ 3.3	+ 3.2	+ 1.8	+ 1.0
Year	+ 0.01	+ 0.02	+ 0.1	0.0	- 0.1	- 0.1	+ 0.17	+ 0.17	+ 4.3	+ 4.0	+ 1.2	+ 1.0
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.64	+ 0.52	+ 5.0	+ 7.6	+ 2.6	+ 3.8	+ 0.76	+ 0.68	- 2.6	0.0	+ 0.4	- 1.8
Feb	+ 0.18	- 0.26	+ 8.0	+11.0	- 0.2	- 1.4	- 0.46	- 0.82	-20.4	-22.6	- 4.0	- 4.2
Mar	+ 0.38	+ 0.14	+ 2.0	- 0.2	0.0	- 1.8	+ 1.10	+ 1.06	-14.2	-12.4	+ 4.8	+ 4.6
Apr	+ 0.56	+ 0.40	+ 9.4	+10.6	+ 3.4	+ 2.6	- 1.02	- 1.20	-16.2	- 7.8	- 5.8	- 3.0
May	+ 0.42	+ 0.44	+ 1.8	+ 5.2	+ 0.4	+ 0.8	+ 0.16	+ 0.40	- 9.2	-10.4	- 2.0	- 3.2
Jun	+ 0.20	+ 0.20	+ 3.4	+ 5.4	+ 1.2	+ 1.2	+ 0.56	+ 0.90	-13.8	-11.6	+ 1.4	+ 3.6
Jul	+ 0.08	+ 0.28	+ 3.6	+ 2.6	+ 1.4	+ 2.4	+ 0.26	+ 0.20	-25.8	-24.0	- 4.4	- 3.0
Aug	- 0.12	+ 0.10	+ 3.6	+ 3.4	+ 1.2	+ 1.0	+ 0.78	+ 0.88	-14.8	-12.6	+ 1.0	+ 2.2
Sep	- 0.26	+ 0.10	+ 1.0	+ 1.6	+ 1.8	+ 2.2	- 0.46	- 0.62	- 8.6	-16.2	- 4.0	- 1.6
Oct	+ 0.44	+ 0.14	+10.8	+12.2	+ 1.2	- 0.4	+ 0.92	+ 0.94	-25.6	-22.0	+ 2.0	- 0.2
Nov	+ 0.14	- 0.04	+ 5.4	+ 9.8	+ 3.4	+ 2.0	- 0.28	- 0.14	-10.8	-11.0	+ 1.2	+ 3.0
Dec	- 0.52	- 0.70	+ 4.4	+ 4.0	- 2.6	- 2.2	+ 1.40	+ 1.40	-21.4	-20.4	- 0.2	+ 1.0
I	+ 0.11	- 0.12	+ 5.7	+ 8.1	+ 0.8	+ 0.6	+ 0.36	+ 0.28	-13.8	-13.5	- 0.6	- 0.5
II	+ 0.28	+ 0.20	+ 5.8	+ 6.0	+ 1.6	+ 0.6	+ 0.14	+ 0.04	-16.2	-14.6	- 0.8	0.0
III	+ 0.14	+ 0.26	+ 3.1	+ 4.2	+ 1.0	+ 1.4	+ 0.44	+ 0.60	-15.9	-14.6	- 1.0	- 0.1
Year	+ 0.18	+ 0.11	+ 4.9	+ 6.1	+ 1.2	+ 0.8	+ 0.31	+ 0.31	-15.3	-14.2	- 0.8	- 0.2

Table 28. Mean daily noncyclic change, 1943

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--120° East MT						Ten selected days--120° East MT					
Jan	+ 0.01	- 0.01	- 0.3	0.0	- 0.5	- 0.4	+ 0.01	- 0.40	+ 5.5	+ 4.0	+ 0.1	- 1.0
Feb	- 0.01	0.00	+ 0.3	+ 0.1	- 0.2	- 0.2	+ 0.18	0.00	+ 1.8	+ 1.0	+ 0.1	- 1.3
Mar	- 0.04	+ 0.09	- 1.0	- 0.6	- 0.5	+ 0.2	+ 0.18	+ 0.28	- 1.5	- 0.8	- 0.1	- 0.4
Apr	+ 0.07	- 0.04	+ 0.3	- 0.1	+ 0.5	- 0.3	+ 0.51	+ 0.60	+ 9.9	+ 8.5	+ 5.0	+ 4.4
May	- 0.01	- 0.01	+ 0.5	+ 0.5	- 0.1	0.0	+ 0.20	+ 0.13	+ 5.4	+ 3.9	+ 1.7	+ 0.8
Jun	+ 0.01	+ 0.01	+ 0.2	+ 0.1	+ 0.1	- 0.1	+ 0.09	+ 0.02	+ 5.7	+ 5.1	+ 1.0	+ 0.7
Jul	+ 0.02	+ 0.01	- 0.5	- 0.5	- 0.2	- 0.1	+ 0.38	+ 0.27	+ 1.1	+ 2.9	+ 1.9	+ 2.1
Aug	- 0.36	- 0.14	- 2.9	- 2.3	- 2.2	- 0.4	+ 0.84	+ 0.53	+ 4.7	+ 6.4	+ 2.3	+ 0.3
Sep	+ 0.42	+ 0.14	+ 3.7	+ 2.5	+ 2.1	- 0.2	+ 0.20	+ 0.01	+ 2.6	+ 1.0	+ 0.2	- 1.3
Oct	- 0.04	- 0.02	- 0.8	- 0.1	- 0.9	- 0.5	+ 0.43	+ 0.18	+ 1.2	+ 0.3	+ 2.2	+ 0.1
Nov	0.00	- 0.01	+ 0.2	+ 0.3	- 0.5	- 0.4	+ 0.27	+ 0.24	+ 4.8	+ 5.4	+ 0.4	+ 0.5
Dec	- 0.05	- 0.01	+ 0.1	- 0.2	- 0.4	- 0.4	+ 0.50	+ 0.52	+ 3.7	+ 4.1	+ 2.5	+ 1.4
I	- 0.01	- 0.01	+ 0.1	0.0	- 0.4	- 0.4	+ 0.24	+ 0.09	+ 4.0	+ 3.6	+ 0.8	- 0.1
II	+ 0.10	+ 0.04	+ 0.6	+ 0.4	+ 0.3	- 0.2	+ 0.33	+ 0.27	+ 3.0	+ 2.2	+ 1.8	+ 0.7
III	- 0.08	- 0.03	- 0.7	- 0.6	- 0.6	- 0.2	+ 0.38	+ 0.24	+ 4.2	+ 4.6	+ 1.7	+ 1.0
Year	0.00	0.00	0.0	0.0	- 0.2	- 0.2	+ 0.32	+ 0.20	+ 3.7	+ 3.5	+ 1.4	+ 0.5
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	- 0.20	- 0.54	+ 8.0	+ 9.8	- 0.8	- 1.2	- 0.96	- 0.72	- 12.2	- 20.8	- 3.4	- 3.8
Feb	0.00	- 0.38	+ 4.8	+ 6.2	+ 0.4	- 1.6	- 0.32	+ 0.70	- 12.0	- 15.4	+ 0.4	+ 3.4
Mar	+ 0.80	+ 0.72	+ 6.2	+ 6.6	+ 3.6	- 0.6	0.00	+ 0.38	- 14.2	- 7.0	- 0.8	+ 0.4
Apr	+ 0.26	+ 0.14	+ 7.0	+ 6.8	+ 3.6	+ 4.4	+ 0.30	- 0.04	- 12.2	- 6.4	- 0.6	- 0.2
May	+ 0.10	+ 0.14	+ 5.8	+ 7.0	+ 2.6	+ 1.8	+ 0.48	- 0.04	- 19.0	- 7.8	- 0.6	- 0.6
Jun	+ 0.08	- 0.08	+ 4.0	+ 3.4	+ 1.0	+ 0.6	- 0.26	+ 0.16	- 9.0	- 10.2	- 1.6	+ 0.2
Jul	+ 0.12	+ 0.06	+ 6.0	+ 6.8	+ 3.0	+ 2.8	+ 0.32	- 0.20	- 3.0	0.0	+ 2.4	+ 1.0
Aug	+ 0.62	+ 0.72	+ 12.0	+ 11.2	+ 5.6	+ 6.2	- 0.34	+ 0.23	- 19.0	- 31.4	+ 1.2	+ 1.4
Sep	+ 0.21	+ 0.19	+ 10.0	+ 8.6	+ 3.6	+ 3.0	- 0.01	- 0.05	- 7.4	- 4.4	- 1.6	+ 1.6
Oct	- 0.28	- 0.50	+ 6.2	+ 7.4	+ 2.8	+ 0.4	- 0.58	- 0.78	- 5.4	- 0.6	- 6.6	- 5.6
Nov	+ 0.06	+ 0.12	+ 4.4	+ 3.4	+ 2.0	- 1.8	+ 0.04	+ 1.00	- 7.2	- 9.0	- 0.8	+ 1.8
Dec	- 0.70	- 0.88	+ 7.6	+ 6.6	- 3.0	- 2.8	+ 0.74	+ 1.18	- 15.8	- 16.2	+ 4.2	+ 3.8
I	- 0.21	- 0.42	+ 6.2	+ 6.5	- 0.4	- 1.8	- 0.12	+ 0.54	- 11.8	- 15.4	+ 0.1	+ 1.3
II	+ 0.25	+ 0.14	+ 7.4	+ 7.4	+ 3.4	+ 1.8	- 0.07	- 0.12	- 9.8	- 4.6	- 2.4	- 1.0
III	+ 0.23	+ 0.21	+ 7.0	+ 7.1	+ 3.0	+ 2.8	+ 0.05	+ 0.04	- 12.5	- 12.4	+ 0.4	+ 0.5
Year	+ 0.09	- 0.02	+ 6.8	+ 7.0	+ 2.0	+ 0.9	- 0.05	+ 0.15	- 11.4	- 10.8	- 0.6	+ 0.3

Table 29. Mean daily noncyclic change, 1944

(A is algebraic excess for hour 23-24 on one day and B for hour 0-1 on the succeeding day as compared with the corresponding hours of the preceding days)

Month	D		H		Z		D		H		Z	
	A	B	A	B	A	B	A	B	A	B	A	B
	′	′	γ	γ	γ	γ	′	′	γ	γ	γ	γ
	All days--120° East MT						Ten selected days--120° East MT					
Jan	+ 0.07	+ 0.01	+ 1.0	+ 0.8	+ 0.3	- 0.1	+ 0.20	+ 0.45	- 1.6	- 0.4	+ 1.3	+ 2.1
Feb	0.00	+ 0.09	- 0.2	- 0.1	+ 0.3	+ 0.7	+ 0.12	+ 0.28	0.0	- 0.5	+ 1.7	+ 2.3
Mar	+ 0.04	+ 0.02	- 0.4	- 0.4	+ 0.1	- 0.1	+ 0.12	+ 0.97	+ 2.7	+ 1.9	- 0.1	- 0.4
Apr	+ 0.01	+ 0.03	+ 0.2	+ 0.2	- 0.2	- 0.2	+ 0.55	+ 0.37	+ 5.5	+ 4.6	+ 3.1	+ 1.6
May	- 0.01	- 0.06	+ 0.1	+ 0.2	- 0.1	- 0.6	+ 0.05	+ 0.02	+ 1.4	+ 1.3	+ 0.6	+ 1.0
Jun	+ 0.01	+ 0.04	+ 0.1	0.0	- 0.3	0.0	+ 0.16	+ 0.49	+ 3.0	+ 1.8	+ 0.6	+ 2.0
Jul	+ 0.02	+ 0.03	+ 0.3	+ 0.3	0.0	+ 0.3	+ 0.17	+ 0.11	+ 2.5	+ 2.2	+ 1.2	+ 0.2
Aug	- 0.01	+ 0.01	+ 0.2	+ 0.4	- 0.2	0.0	+ 0.71	+ 0.40	+ 7.6	+ 6.7	+ 4.9	+ 1.3
Sep	- 0.06	- 0.12	- 0.1	- 1.1	- 0.3	- 0.9	+ 0.26	+ 0.22	+ 5.5	+ 6.9	+ 1.5	+ 1.8
Oct	+ 0.09	+ 0.15	+ 0.6	+ 0.9	+ 0.1	+ 0.3	+ 0.18	+ 0.13	+ 2.2	+ 1.5	- 0.3	- 0.1
Nov	+ 0.01	- 0.03	- 0.2	+ 0.5	- 0.4	- 0.2	+ 0.59	+ 0.63	+ 3.7	+ 3.5	+ 2.6	+ 2.3
Dec	0.00	0.00	- 0.5	- 0.9	- 0.5	- 0.6	+ 0.14	- 0.06	+ 3.1	+ 2.4	+ 0.6	+ 0.3
I	+ 0.02	+ 0.02	0.0	+ 0.1	- 0.1	0.0	+ 0.26	+ 0.32	+ 1.3	+ 1.2	+ 1.6	+ 1.8
II	+ 0.02	+ 0.02	+ 0.1	- 0.1	- 0.1	- 0.2	+ 0.28	+ 0.42	+ 4.0	+ 3.7	+ 1.0	+ 0.7
III	0.00	0.00	+ 0.2	+ 0.2	- 0.2	- 0.1	+ 0.27	+ 0.26	+ 3.6	+ 3.0	+ 1.8	+ 1.1
Year	+ 0.01	+ 0.01	+ 0.1	+ 0.1	- 0.1	- 0.1	+ 0.27	+ 0.33	+ 3.0	+ 2.7	+ 1.5	+ 1.2
	Five quiet days--GMT						Five disturbed days--GMT					
Jan	+ 0.58	+ 0.60	+ 2.2	+ 0.4	0.0	+ 0.6	+ 0.58	+ 0.90	- 5.6	- 5.0	+ 2.2	+ 5.4
Feb	+ 0.14	+ 0.30	+ 0.4	- 1.0	+ 0.4	+ 0.2	- 0.42	+ 0.20	- 11.4	- 11.4	- 4.8	- 1.4
Mar	- 0.02	+ 0.06	+ 4.0	- 0.2	+ 1.4	+ 1.0	+ 0.48	+ 0.32	- 13.6	- 14.8	- 5.2	- 6.8
Apr	- 0.14	- 0.02	+ 1.6	+ 1.4	+ 0.4	+ 1.2	- 0.90	- 0.84	- 17.4	- 16.2	- 8.6	- 7.4
May	+ 0.12	+ 0.32	+ 4.6	+ 4.6	+ 2.6	+ 3.8	+ 0.42	- 0.38	- 6.6	- 2.4	0.0	- 1.8
Jun	- 0.12	- 0.26	+ 6.4	+ 8.0	+ 1.0	+ 0.6	+ 0.66	- 0.02	- 10.2	- 7.4	+ 1.6	- 1.0
Jul	+ 0.04	0.00	+ 2.2	+ 1.2	+ 0.8	+ 0.6	- 0.32	- 0.38	- 4.0	- 5.8	- 0.6	- 1.0
Aug	+ 0.78	+ 0.88	+ 8.2	+ 6.2	+ 4.6	+ 1.2	- 0.18	- 0.08	- 14.6	- 15.0	- 5.8	- 3.6
Sep	+ 0.20	+ 0.20	+ 5.2	+ 7.6	+ 1.2	- 0.8	- 0.06	- 0.48	- 18.6	- 9.2	- 1.8	- 1.6
Oct	- 0.02	+ 0.08	+ 3.6	+ 4.6	+ 1.4	+ 2.4	+ 0.36	+ 0.04	- 7.2	- 10.2	- 5.2	- 6.2
Nov	+ 0.22	+ 0.78	+ 1.8	+ 3.0	+ 2.0	+ 1.0	+ 0.10	0.00	- 6.6	- 6.0	+ 1.8	- 0.2
Dec	- 0.10	- 0.52	+ 2.8	+ 2.2	- 4.2	- 3.8	+ 1.30	+ 1.84	- 23.6	- 27.2	+ 8.0	+ 6.4
I	+ 0.21	+ 0.29	+ 1.8	+ 1.2	- 0.4	- 0.5	+ 0.39	+ 0.74	- 11.8	- 12.4	+ 1.8	+ 2.6
II	0.00	+ 0.08	+ 3.6	+ 3.4	+ 1.1	+ 1.0	- 0.03	- 0.24	- 14.2	- 12.6	- 5.2	- 5.5
III	+ 0.20	+ 0.24	+ 5.4	+ 5.0	+ 2.2	+ 1.6	+ 0.14	- 0.22	- 8.8	- 7.6	- 1.2	- 1.8
Year	+ 0.14	+ 0.20	+ 3.6	+ 3.2	+ 1.0	+ 0.7	+ 0.17	+ 0.09	- 11.6	- 10.9	- 1.5	- 1.6

TABLES 30-353

HOURLY MEAN VALUES OF DECLINATION, HORIZONTAL INTENSITY, AND VERTICAL INTENSITY, 1936-1944

CONTENTS

Hourly mean values of declination, horizontal intensity, and vertical intensity

Year	Table	Page
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TABLE 30

DECLINATION

JANUARY 1936

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			391	386	388	395	394	385	404	436	452	447	443	424	397	375	365	369	380	381	393	394	397	395	396	401	400	0	8 33	465	14 16	364	101
2	✓			397	396	392	396	396	405	412	421	440	445	443	441	435	400	367	362	372	377	376	384	390	394	396	399	402	0	8 50	448	15 15	360	88
3	✓	✓		401	399	397	397	396	398	413	433	455	468	471	473	459	430	402	386	386	333	386	391	393	394	396	399	413	0	9 57	479	17 40	381	98
4	✓	✓		404	400	396	396	396	405	407	411	416	429	432	435	427	403	383	379	379	383	386	390	392	394	394	397	401	0	11 30	437	15 20	378	59
5	✓			397	397	396	397	398	399	414	427	426	427	426	416	401	380	363	356	359	369	378	387	387	391	392	395	395	0	7 45	437	15 20	349	88
6	✓	✓		396	399	398	397	396	404	412	428	437	439	421	406	395	370	356	356	369	379	385	386	386	393	394	396	396	0	9 05	444	15 00	353	91
7	✓	✓		399	396	397	399	400	406	422	437	456	464	456	427	405	384	364	358	365	375	383	387	386	387	391	392	402	0	9 35	468	15 22	356	112
8			✓	395	395	398	401	404	406	427	454	463	457	432	401	372	350	353	359	365	375	383	392	405	424	415	407	401	1	8 17	468	13 22	346	122
9				411	412	416	406	412	421	437	453	460	454	438	404	380	357	344	340	355	371	379	380	387	389	392	404	400	1	8 29	466	15 17	337	129
10				403	405	415	411	428	437	439	457	466	477	454	419	382	349	332	335	354	367	378	386	392	395	407	406	404	1	9 30	488	14 20	330	158
11				408	411	398	409	406	416	436	450	450	435	416	398	387	381	374	363	359	363	377	384	394	393	394	392	400	0	7 58	464	17 05	356	108
12				403	404	403	401	399	403	413	429	468	471	452	414	386	354	331	327	344	365	375	394	416	436	418	405	400	0	8 55	481	15 03	323	158
13				402	402	398	383	388	407	435	452	455	453	423	398	384	355	347	340	355	382	389	386	402	416	406	416	399	1	7 43	470	15 40	337	133
14				405	405	389	398	409	413	422	438	446	444	432	415	398	378	365	362	364	370	378	379	379	383	390	391	398	0	8 53	458	15 03	360	98
15	✓			398	406	402	401	403	412	416	440	458	458	431	412	402	389	363	351	367	380	386	392	393	392	394	396	402	0	8 35	465	15 25	349	116
16	✓	✓		400	401	397	397	399	406	420	436	454	462	451	421	385	362	344	339	343	361	375	383	383	386	395	396	396	0	9 38	466	15 41	337	129
17	✓			395	398	397	399	402	406	412	425	451	463	457	439	404	373	351	351	355	368	382	387	386	389	391	391	399	0	9 30	468	14 40	344	124
18			✓	396	396	398	399	404	409	419	437	459	448	436	396	374	363	360	341	346	362	388	406	431	411	414	398	400	1	8 36	464	16 08	332	132
19				393	414	406	404	406	404	421	419	441	450	447	414	406	386	366	355	365	375	380	383	386	406	411	406	402	1	9 20	458	15 25	354	104
20				396	402	389	372	391	407	421	437	453	451	437	419	402	378	360	359	370	383	386	394	394	392	395	396	399	0	8 46	459	15 00	356	103
21				398	396	396	396	389	409	423	445	443	427	420	384	362	357	355	362	372	375	377	378	384	391	401	406	394	1	7 43	450	14 40	354	96
22				395	395	396	404	387	411	429	430	428	437	429	413	401	389	379	372	374	381	384	385	386	384	385	387	398	0	9 27	443	16 40	370	73
23				396	402	401	407	406	415	419	441	447	447	442	425	392	376	369	364	365	373	374	373	375	379	386	389	398	0	9 30	461	16 25	356	105
24			✓	395	396	396	398	403	408	422	444	468	448	428	414	398	392	392	382	388	388	382	377	378	384	386	387	402	1	8 40	476	19 28	374	102
25			✓	388	408	446	450	436	364	388	412	413	425	420	406	388	374	365	364	370	386	393	414	399	405	430	416	402	1	3 39	460	6 03	312	148
26			✓	405	398	398	399	406	418	436	446	440	437	425	422	406	391	365	368	376	384	403	399	404	392	408	415	406	1	8 46	455	14 25	361	94
27				415	395	395	394	386	364	412	437	458	459	453	435	407	380	360	355	370	376	380	393	390	403	405	403	401	0	8 40	478	5 09	333	145
28				396	393	393	395	396	404	398	424	448	477	471	446	410	372	354	354	364	371	377	384	397	397	396	396	401	1	9 22	483	15 20	350	133
29				396	393	393	388	383	398	416	432	447	456	457	444	416	378	350	345	358	370	375	377	378	383	387	391	396	0	10 23	465	15 00	341	124
30				395	406	398	393	381	401	408	412	433	464	477	464	436	392	362	354	351	365	385	392	393	402	406	408	403	0	10 33	481	16 12	347	134
31				397	397	394	387	382	383	403	421	437	438	442	430	412	387	372	367	382	384	385	384	386	386	387	397	398	1	10 24	454	15 45	366	88
MEANS ALL DAYS				399	400	399	399	399	404	418	434	447	450	441	421	400	378	362	357	365	375	383	388	392	396	399	399	400						113
MEANS TEN DAYS ✱				398	398	396	397	398	403	413	429	444	450	443	429	411	387	366	361	368	376	383	388	389	392	394	396	400						101
MEANS FIVE DAYS † (G. M. T.)				398	397	397	398	400	404	416	429 431	444 442	452	446	432	414	390	370	364	368	376	383	387	388	391	394	396	402						
MEANS FIVE DAYS ‡ (G. M. T.)				402	405	412	411	409	394	419	433	449	443	428	408	388	374	367	363	369	379	390	398	403	403	411	405	403						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 31

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 12 0ʰ MERIDIAN MEAN TIME)

FEBRUARY 1936

FEBRUARY 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		391	395	392	394	383	393	400	424	446	474	473	457	429	389	354	326	334	354	378	384	386	401	396	398	398	0	9	24	478	15 45	325	153
2				396	391	387	390	390	395	409	425	443	448	438	426	409	390	373	364	366	373	378	383	385	386	386	398	397	0	9	40	450	15 30	363	87
3				407	412	411	415	408	403	416	396	439	454	463	444	415	393	373	374	378	382	386	386	385	384	387	387	404	0	10	30	469	15 05	372	97
4				390	398	404	396	401	406	428	433	423	431	413	389	370	354	346	339	345	363	371	380	381	383	386	395	389	0	7	02	439	15 19	337	102
5	✓	✓		402	406	406	405	406	409	426	448	468	470	448	416	385	372	360	343	350	364	375	384	385	394	388	391	400	0	9	02	477	15 50	341	136
6	✓			392	396	396	396	399	406	423	438	456	454	435	395	363	335	331	332	349	373	377	377	377	385	386	391	390	0	8	50	464	14 50	326	138
7	✓	✓		395	401	401	400	403	409	421	447	470	477	455	397	352	315	308	313	333	346	365	376	378	383	386	390	388	0	9	04	480	14 15	302	178
8	✓			393	395	398	397	396	405	418	436	451	450	434	398	359	328	316	326	349	366	379	375	377	382	385	388	388	0	9	08	462	14 30	315	147
9				392	396	408	407	404	402	410	435	464	468	436	387	344	322	313	313	323	337	357	371	378	390	397	402	386	1	9	20	486	14 33	310	176
10				392	391	396	397	395	399	421	456	467	483	467	441	398	346	313	313	323	351	367	372	375	384	386	403	393	1	9	53	498	15 00	306	192
11				408	408	404	394	392	397	396	419	447	457	465	458	420	368	338	336	352	370	381	381	383	395	394	392	398	1	11	10	473	15 20	334	139
12	✓			387	392	390	388	392	395	395	416	440	452	454	440	393	336	304	300	321	347	367	380	389	393	393	391	386	0	9	22	456	15 03	294	162
13	✓	✓		388	388	385	388	392	394	400	417	437	452	457	446	427	393	356	341	346	351	364	372	377	381	383	385	392	0	10	05	461	15 30	340	121
14				387	389	390	391	394	395	398	413	436	454	463	449	416	374	343	334	343	347	357	364	372	375	378	415	391	1	10	37	464	15 20	333	131
15				435	403	392	378	377	383	385	413	437	453	440	406	383	354	335	334	344	363	380	388	392	408	396	404	391	0	9	40	460	15 12	331	129
16			✓	423	406	399	396	394	398	407	430	437	448	447	428	399	364	339	334	336	352	368	378	377	395	407	406	394	1	9	53	457	15 30	333	124
17			✓	434	403	398	383	354	365	393	424	444	447	445	427	403	373	353	360	375	382	396	417	406	439	426	444	404	1	23	10	472	4 51	328	144
18				426	428	393	398	403	382	396	418	433	438	427	412	381	352	350	354	368	376	386	388	394	395	397	395	395	0	0	20	447	13 50	347	100
19			✓	396	399	398	387	385	390	403	425	446	465	464	451	430	398	362	354	362	366	381	396	398	397	416	408	403	1	10	30	468	15 36	347	121
20				418	423	413	398	368	375	385	404	429	450	447	441	425	391	369	366	368	372	375	382	383	386	388	396	398	0	9	41	458	4 54	355	103
21			✓	390	392	389	377	381	373	383	399	435	465	489	479	434	380	355	354	356	369	377	391	388	405	417	409	399	0	10	57	491	16 00	349	142
22			✓	415	401	400	386	388	373	401	419	436	422	429	430	405	382	362	354	355	368	364	376	383	403	424	424	396	0	8	17	449	16 00	351	98
23				406	395	393	389	383	362	379	412	449	466	458	439	420	396	359	339	344	362	375	376	378	406	405	414	396	1	10	00	474	15 40	336	138
24				423	424	405	396	396	393	398	388	420	448	451	440	414	377	356	355	357	368	376	383	393	384	384	385	396	0	10	29	455	15 38	354	101
25	✓			390	393	386	386	385	373	386	403	438	471	478	466	425	373	331	323	336	355	368	370	375	390	393	387	391	0	10	05	489	15 20	321	168
26				403	393	391	373	382	383	393	416	440	451	462	440	402	363	338	336	350	370	386	388	386	403	423	421	396	1	10	37	468	15 20	332	136
27				416	415	398	373	389	381	393	391	416	442	448	435	408	368	345	346	357	370	377	386	401	404	402	414	395	1	10	14	464	14 42	341	123
28	✓	✓		406	399	395	391	383	378	382	398	427	460	468	463	427	383	358	350	355	367	374	380	382	383	385	385	395	0	11	05	472	15 40	348	124
29	✓			386	386	384	386	386	389	398	411	431	453	468	450	410	370	345	338	344	364	375	372	378	379	381	392	391	0	10	20	470	15 30	336	134
30																																			
31																																			
MEANS ALL DAYS				403	401	397	392	390	390	401	419	442	455	452	433	402	367	344	340	349	363	374	381	384	393	396	400	394							133
MEANS TEN DAYS *				393	395	393	393	392	395	405	424	446	461	457	433	397	359	336	329	342	359	372	377	380	387	388	390	392							146
MEANS FIVE DAYS † (G. M. T.)				391	391	391	392	393	398	409	427 425	450 443	467	460	436	404	370	347	335	344	356	371	379	382	388	388	390	394							
MEANS FIVE DAYS ‡ (G. M. T.)				420	410	399	391	379	371	391	415	440	449	455	443	414	379	354	351	357	367	377	392	390	408	418	418	400							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 32

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1936 MARCH 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			394	385	383	393	391	392	395	396	435	448	449	431	402	375	350	339	355	366	370	373	374	375	377	379	389	0	10	05	454	15	20	335	119
2	✓			382	383	383	386	387	387	396	411	429	446	446	427	392	361	345	340	347	363	371	373	374	379	382	383	386	0	10	05	452	15	35	339	113
3	✓	✓		392	388	388	390	393	393	392	403	424	448	455	435	396	364	346	343	349	361	365	367	372	375	379	382	388	0	10	15	458	15	15	341	117
4	✓	✓		383	384	384	384	386	387	392	405	426	453	463	444	406	360	332	323	333	345	356	364	369	374	376	380	384	0	9	50	467	15	24	322	145
5	✓			384	384	384	384	384	388	391	405	429	437	441	427	402	370	340	328	333	343	359	364	371	376	382	393	383	0	9	52	445	15	32	323	122
6				394	395	392	395	397	396	397	413	436	460	470	453	419	373	335	326	331	343	357	365	372	376	383	386	390	0	10	16	475	15	42	325	150
7	✓	✓		401	395	390	390	392	387	382	396	428	447	461	454	434	402	366	338	341	354	367	371	373	380	383	385	392	0	10	40	467	15	52	335	132
8				385	385	386	387	390	393	396	416	434	446	445	436	415	382	360	336	342	354	361	361	366	375	382	397	389	1	10	25	449	15	56	331	118
9				398	395	393	393	394	397	395	412	430	449	460	447	415	367	339	333	342	359	371	374	403	396	396	399	394	1	10	10	467	15	38	332	135
10				403	388	397	395	395	398	405	425	440	456	467	447	415	381	351	341	343	359	364	364	369	375	379	382	393	1	9	51	472	16	05	335	137
11	✓	✓		387	389	389	392	393	393	395	406	435	463	475	451	410	366	341	333	344	357	368	374	374	377	382	384	391	0	10	25	480	15	32	330	150
12	✓	✓		384	386	386	386	387	389	393	403	413	426	437	420	402	371	343	334	346	360	370	372	374	376	384	384	385	0	10	46	439	15	25	333	106
13				387	390	392	392	393	394	405	415	423	425	421	409	393	370	344	333	341	358	366	369	374	374	377	381	384	0	9	20	428	15	28	327	101
14				382	384	386	390	391	394	404	423	436	440	433	417	389	355	340	338	353	364	371	372	374	374	376	381	386	0	9	57	442	14	50	335	107
15				387	397	394	390	387	392	402	414	419	421	427	414	387	358	342	338	353	356	366	373	374	376	378	378	384	1	10	37	432	15	26	334	98
16				376	393	398	404	394	387	394	396	422	432	425	410	379	356	353	355	361	364	368	373	374	376	382	379	385	0	9	25	438	14	20	350	88
17				380	376	375	374	374	374	384	404	420	433	430	417	393	371	356	358	364	373	377	379	377	379	380	386	385	1	10	05	445	14	40	353	92
18				390	384	385	384	372	381	388	394	409	411	415	406	393	377	355	350	357	358	370	388	381	375	382	387	383	0	9	00	422	15	35	348	74
19				381	384	390	396	397	383	387	401	411	416	418	409	384	360	344	345	350	361	366	372	385	383	383	383	383	1	10	10	425	14	50	343	82
20			✓	382	382	381	369	374	369	386	407	418	437	442	426	389	360	342	337	341	352	356	374	387	400	394	394	383	1	10	18	449	15	00	331	118
21			✓	401	396	392	386	382	375	374	395	403	411	413	398	384	365	349	342	343	357	389	394	395	403	404	411	386	1	10	12	432	15	20	339	93
22				397	397	390	389	376	377	383	401	394	391	405	399	384	369	356	353	353	363	374	380	403	394	387	391	384	1	7	26	413	16	23	352	61
23			✓	391	390	396	390	375	394	402	414	425	428	420	404	382	367	347	343	353	357	374	411	376	382	389	395	388	1	19	12	435	15	08	338	97
24			✓	425	426	373	386	396	394	403	412	401	402	414	402	384	364	344	363	372	371	381	392	408	403	416	388	392	1	22	10	467	2	39	333	134
25			✓	383	385	382	385	370	357	375	381	385	411	411	402	395	378	367	367	373	372	381	405	384	397	395	381	384	1	10	24	436	5	46	345	91
26				384	384	384	386	384	363	357	344	360	389	404	403	396	379	356	353	354	362	368	374	376	378	379	382	375	1	10	00	426	6	56	333	93
27				383	383	384	381	377	373	366	384	405	408	414	403	395	374	358	354	352	357	364	374	383	385	388	389	381	1	9	42	420	16	47	346	74
28				390	399	397	377	394	395	397	405	415	413	395	386	365	351	348	352	364	372	377	377	378	377	376	380	382	0	8	55	428	14	43	347	81
29	✓			378	378	376	373	385	386	392	403	407	426	436	419	382	364	344	347	351	359	369	374	381	384	385	386	383	0	10	18	438	14	10	343	95
30	✓			379	377	377	378	378	385	392	404	421	436	446	434	395	363	350	346	349	360	369	371	374	374	377	377	384	0	10	50	449	15	52	344	105
31				378	378	378	380	384	386	395	410	413	426	429	409	385	361	347	347	345	352	362	368	372	381	396	396	382	1	9	57	436	16	28	342	94
MEANS ALL DAYS				388	388	387	387	386	386	391	403	418	430	434	421	396	368	348	343	350	359	369	376	379	382	385	386	386								107
MEANS TEN DAYS *				386	385	384	386	388	389	392	403	425	443	451	435	402	370	346	337	345	357	366	370	374	377	381	383	386								120
MEANS FIVE DAYS † (G. M. T.)				385	386	386	387	388	390	395	403 409	425 425	447	458	442	410	373	346	334	343	355	365	370	372	376	381	383	388							
MEANS FIVE DAYS ‡ (G. M. T.)				398	398	384	386	382	373	378	387	406	418	420	406	387	367	350	350	356	362	376	395	390	397	400	394	386								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 33

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				390	389	394	395	394	393	395	403	416	426	425	419	394	367	346	340	345	351	354	365	369	374	385	412	385	1	9	38	436	15 07	337	99
2				422	410	415	408	399	399	404	404	412	416	409	404	390	361	353	347	354	358	367	371	372	374	376	379	388	1	2	54	437	15 10	342	95
3				382	383	382	385	389	383	382	396	407	414	413	404	379	357	343	343	349	352	356	363	370	370	374	390	378	1	10	07	418	15 31	336	82
4				388	389	411	406	392	392	412	414	400	415	406	393	370	352	351	366	360	364	367	372	375	377	378	380	385	0	3	42	431	13 37	345	86
5	✓	✓		382	382	382	384	385	387	396	407	416	411	396	374	360	350	344	344	346	354	364	367	375	382	383	382	377	0	8	24	419	15 28	342	77
6	✓	✓		382	379	386	386	387	392	396	409	425	444	443	425	397	367	347	336	340	346	357	364	372	375	374	375	384	0	10	00	450	15 30	333	117
7	✓			377	378	380	382	385	387	395	410	434	445	439	418	384	355	337	336	343	355	365	375	375	381	394	388	384	0	9	05	447	14 12	322	125
8				387	386	383	380	384	386	393	411	432	441	427	394	358	324	316	326	337	354	359	367	387	389	376	379	378	1	9	30	444	13 55	313	131
9	✓			379	383	379	385	386	386	393	410	424	429	417	396	372	357	341	346	347	355	358	364	364	369	371	375	379	0	9	33	430	14 45	332	98
10	✓	✓		380	380	381	385	377	387	393	407	425	427	415	391	365	350	340	347	351	360	363	365	369	372	375	374	378	0	9	15	432	14 21	336	96
11				375	374	376	379	386	386	395	417	445	448	436	402	377	355	344	342	340	342	345	356	372	372	374	375	380	0	9	03	453	17 23	335	118
12				379	379	378	378	383	386	389	404	411	429	415	384	362	345	337	340	347	355	360	371	367	377	397	395	378	1	9	40	437	15 05	334	103
13				387	399	394	393	392	364	384	389	407	409	416	395	371	355	347	337	348	358	363	374	392	383	383	400	381	1	9	08	419	15 30	335	84
14				404	401	389	381	364	375	385	405	423	433	424	399	377	357	346	341	348	358	367	366	371	374	375	378	381	0	9	10	435	15 20	336	99
15				378	382	389	373	399	396	394	406	418	433	419	395	364	342	334	341	343	353	363	373	388	407	399	383	382	1	9	14	427	14 40	327	100
16	✓			405	406	380	374	355	358	375	379	385	393	394	386	374	352	347	347	355	365	371	372	374	375	375	375	374	0	0	21	427	4 05	316	111
17				377	378	375	372	367	375	383	393	403	402	401	392	376	365	349	346	355	365	369	367	376	380	377	385	376	1	8	38	409	14 40	341	68
18			✓	402	385	380	378	350	362	364	383	393	380	373	362	355	342	343	337	344	365	372	375	377	378	387	398	370	1	0	30	412	4 48	314	98
19			✓	388	401	398	356	378	388	397	389	403	406	402	396	392	375	363	363	344	355	367	360	396	406	397	417	385	1	23	30	427	3 28	324	103
20			✓	407	380	380	378	377	334	346	361	350	376	375	378	373	363	355	357	357	366	375	373	387	404	396	389	372	1	20	55	435	5 35	304	131
21			✓	393	424	402	399	370	355	360	365	401	397	410	398	380	360	354	355	387	375	375	400	439	440	426	405	390	1	20	24	478	5 27	338	140
22			✓	388	399	382	378	380	359	322	294	335	379	394	372	375	365	366	376	379	375	392	396	398	406	392	406	375	1	18	43	438	7 28	261	177
23				395	362	361	368	365	375	373	385	399	413	416	406	382	375	354	354	367	388	376	373	383	386	402	424	383	1	23	18	439	1 40	331	108
24				396	406	385	383	370	360	374	395	416	422	423	407	382	370	353	349	368	378	371	377	382	399	387	388	385	1	9	36	430	5 18	341	89
25				382	378	375	376	375	378	382	382	393	424	431	414	385	356	344	346	353	365	366	378	384	386	386	382	380	1	9	49	439	14 46	341	98
26	✓	✓		382	375	374	375	374	355	370	382	402	423	431	417	388	359	344	344	347	367	372	367	374	375	377	377	377	0	9	51	436	14 34	342	94
27	✓			375	375	375	370	375	377	384	395	414	426	428	416	392	366	347	341	344	354	362	367	372	376	376	376	378	0	10	06	430	15 30	340	90
28	✓			375	369	374	375	376	377	378	384	398	416	414	409	385	366	354	345	350	358	364	369	373	375	379	379	377	1	9	47	419	16 07	343	76
29	✓	✓		382	385	378	378	375	363	376	396	409	416	410	398	379	362	347	344	345	361	363	365	373	374	375	375	376	0	9	22	418	16 06	343	75
30				376	376	375	375	376	377	381	387	402	411	409	393	373	356	340	341	354	356	364	370	374	375	377	377	375	0	9	02	416	14 55	336	80
31																																		
MEANS ALL DAYS				387	386	384	381	379	376	382	392	407	417	414	398	377	358	346	346	352	360	366	371	379	384	384	387	380							102
MEANS TEN DAYS ✲				382	381	379	379	378	377	386	398	413	423	419	403	380	358	345	343	347	358	364	368	372	375	378	378	378							94
MEANS FIVE DAYS † (G. M. T.)				377	376	378	378	382	384	390	400 404	415 424	424	419	401	378	358	344	343	346	358	364	366	373	376	377	377	379							
MEANS FIVE DAYS ‡ (G. M. T.)				394	393	385	376	374	362	360	359	376	388	391	381	375	361	356	358	362	367	376	381	399	407	400	403	378							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[= ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 34

DECLINATION

MAY 1936

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1936

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			375	374	374	374	378	380	384	395	372	397	402	394	385	372	353	342	351	363	365	372	376	376	375	375	375	0	9	44	406	15 20	335	71
2	✓			376	375	373	374	378	381	382	385	388	395	389	382	372	363	357	353	354	360	363	365	374	373	384	385	374	0	9	46	399	15 03	351	48
3	✓			384	376	375	381	381	382	384	386	397	403	404	400	384	364	351	344	351	361	366	369	374	376	377	377	377	0	10	40	408	15 38	343	65
4				376	374	372	372	374	374	376	383	393	397	402	395	374	356	343	340	346	353	361	364	364	367	376	390	372	1	10	12	407	14 57	331	76
5				384	387	383	398	398	394	384	384	393	399	405	395	384	372	363	353	357	364	364	366	372	374	379	375	380	0	10	51	411	14 54	344	67
6	✓			377	376	381	382	379	383	383	383	393	402	405	394	384	372	358	355	356	362	364	366	369	374	374	377	377	0	9	38	407	15 22	353	54
7	✓	✓		377	376	374	377	381	381	381	382	394	397	395	384	365	353	348	348	351	354	354	365	370	369	373	374	372	0	9	46	400	15 52	345	55
8	✓	✓		375	375	375	375	381	381	382	385	396	404	405	393	379	357	342	339	352	356	366	371	374	374	374	374	374	0	10	10	407	15 12	330	77
9	✓	✓		374	374	374	375	376	377	381	393	412	422	418	405	383	362	344	343	351	361	365	367	371	373	375	374	377	0	9	56	425	14 55	342	83
10				375	375	374	375	376	376	376	382	395	413	423	415	382	369	353	345	350	357	358	361	362	373	377	376	376	0	10	40	424	16 10	341	83
11			✓	379	385	386	384	402	382	376	370	393	397	395	387	373	355	343	338	352	364	367	372	374	376	377	377	375	1	4	06	414	15 41	333	81
12			✓	374	371	369	372	373	371	371	376	392	406	406	392	372	346	326	332	341	358	373	376	387	393	394	377	373	1	9	54	415	15 12	322	93
13				383	374	363	372	361	343	351	366	393	397	407	396	373	361	351	353	362	367	374	376	374	374	374	374	372	1	10	35	415	6 20	332	83
14				373	372	373	374	376	366	364	374	393	406	406	392	374	354	342	345	351	365	364	374	376	385	377	393	374	1	9	53	412	14 54	331	81
15				388	387	366	374	375	366	368	374	383	376	383	385	382	376	362	351	348	353	364	372	375	377	376	376	372	1	0	00	408	2 41	343	65
16				373	373	372	375	352	382	373	366	373	391	380	373	364	351	340	331	342	352	372	375	409	427	395	393	372	1	21	20	444	15 38	324	120
17				383	391	393	371	362	372	364	352	367	380	384	383	383	365	360	348	353	371	372	373	375	381	383	373	372	1	2	00	406	15 51	334	72
18			✓	372	377	362	362	362	369	364	361	363	363	365	363	361	352	338	338	350	365	373	373	385	392	386	386	366	1	21	15	428	14 56	325	103
19			✓	370	371	352	344	355	373	373	366	373	382	384	378	372	361	352	347	350	370	383	393	402	383	383	396	371	1	20	12	477	3 17	325	152
20				378	373	370	344	365	364	361	382	396	407	406	401	391	371	353	351	363	370	363	373	375	378	401	389	376	1	22	48	424	3 23	337	87
21				380	376	376	375	372	373	375	375	385	393	393	384	373	363	344	332	347	363	371	375	376	381	372	375	372	1	9	32	403	15 31	329	74
22	✓			376	363	368	373	368	371	363	363	382	399	402	399	386	373	357	348	352	362	369	372	372	383	389	378	374	0	10	03	407	15 40	342	65
23	✓	✓		378	374	374	374	373	373	373	369	376	395	405	399	385	370	352	347	352	362	366	370	373	374	376	373	373	0	10	44	408	15 32	344	64
24	✓	✓		372	372	372	372	372	372	367	373	383	394	402	404	394	373	353	349	352	363	367	371	373	373	373	373	374	0	11	30	404	15 20	346	58
25				373	373	370	372	371	372	372	372	381	393	404	404	391	373	352	344	350	361	366	371	373	373	373	375	373	0	11	08	405	15 40	343	62
26				375	373	372	363	365	370	374	378	391	402	404	396	386	366	344	334	334	342	341	360	374	385	385	382	371	1	9	56	407	16 20	332	75
27				391	391	392	382	373	380	372	374	386	396	402	396	391	365	341	337	342	360	353	368	373	378	382	382	375	0	10	43	402	14 41	332	70
28				381	371	371	373	376	379	369	371	382	385	394	394	381	368	355	346	353	364	370	373	372	376	378	373	373	1	11	47	395	15 32	335	60
29			✓	373	377	375	374	374	373	374	372	378	394	404	404	389	366	353	343	344	348	331	343	355	373	382	382	370	1	11	22	404	18 35	321	83
30				383	392	385	384	390	373	363	363	383	390	393	394	383	371	355	340	341	355	364	370	374	380	382	382	375	1	11	47	395	15 50	334	61
31				378	373	372	373	372	373	373	378	383	380	381	381	381	368	355	345	354	365	366	371	370	373	377	381	372	1	7	57	401	15 37	344	57
MEANS ALL DAYS				378	376	374	373	374	374	373	375	386	395	398	392	380	364	350	344	350	360	364	370	375	379	380	380	374							76
MEANS TEN DAYS ✻				376	374	374	376	377	378	378	381	389	401	403	395	382	366	352	347	352	360	364	369	373	374	377	376	375							64
MEANS FIVE DAYS † (G. M. T.)				374	374	373	374	375	376	376	380 381	392 393	402	405	397	381	363	348	345	352	359	364	369	372	373	374	374	374							
MEANS FIVE DAYS ‡ (G. M. T.)				378	376	368	363	369	365	364	371	380	388	391	385	373	356	342	340	347	361	365	371	381	383	384	384	370							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 35

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1936 — JUNE 1936

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	381	380	373	373	375	376	375	371	373	381	384	384	373	363	353	340	336	332	323	350	361	375	380	384	366	1	10	21 386	18	50 313	73
2			✓	384	373	384	384	387	375	378	374	381	386	393	389	374	361	352	353	355	361	370	371	374	377	379	376	375	1	10	09 404	14	45 337	67
3				377	375	384	405	382	387	384	360	351	367	373	373	374	363	355	350	351	353	361	369	372	377	384	384	371	1	3	36 419	7	59 332	87
4				384	377	373	373	374	377	375	355	362	374	381	384	384	378	371	357	356	363	372	371	374	374	382	380	373	0	23	00 404	7	15 347	57
5	✓	✓		372	372	371	372	373	374	372	373	384	392	394	387	375	362	350	344	354	361	370	369	372	374	376	375	372	0	10	40 396	15	10 343	53
6	✓	✓		374	374	373	373	373	373	374	372	373	376	382	382	376	374	363	355	353	363	365	369	372	374	374	374	371	0	11	10 383	16	00 352	31
7				374	373	372	372	373	372	373	372	377	385	388	382	370	361	348	343	345	353	363	364	373	376	375	374	369	0	10	29 389	14	50 342	47
8				373	373	365	369	365	368	372	371	376	385	386	383	373	355	345	351	354	364	365	364	369	374	377	374	369	0	22	36 392	14	17 343	49
9			✓	377	378	377	373	365	364	341	357	367	379	375	371	365	349	343	320	322	325	362	366	382	394	404	404	365	1	22	57 428	6	46 295	133
10			✓	386	375	373	374	373	369	372	362	364	373	383	382	373	366	362	355	364	368	366	383	382	385	382	376	373	1	21	38 405	13	04 343	62
11				374	372	369	353	374	369	364	359	373	374	384	375	376	367	361	355	362	367	367	375	375	390	381	382	371	1	21	45 398	3	15 323	75
12				376	370	369	368	372	372	373	372	364	374	379	379	369	359	351	349	348	363	371	373	374	374	374	374	369	0	10	59 384	15	03 343	41
13				372	370	366	366	367	363	357	354	361	374	381	379	384	375	364	355	356	364	370	373	374	374	374	379	369	0	12	16 386	15	20 352	34
14				374	374	369	349	374	372	364	365	375	386	381	377	371	371	353	364	353	363	375	374	380	378	374	374	370	0	9	50 394	3	07 331	63
15				375	373	362	368	364	365	362	345	365	379	377	376	370	369	352	354	354	382	364	372	373	375	383	395	369	1	23	10 415	7	18 335	80
16				379	359	372	366	368	364	366	369	374	374	371	374	366	363	351	338	350	357	365	383	372	377	396	390	368	1	22	56 416	15	54 329	87
17				376	374	370	374	354	363	364	367	383	391	399	394	384	369	364	354	357	365	372	373	373	377	379	378	373	1	10	19 406	4	45 345	61
18				374	372	369	365	371	368	371	369	377	382	385	386	377	365	353	347	355	366	370	372	373	375	374	376	370	1	11	30 391	15	10 345	46
19			✓	379	369	370	366	365	361	347	343	340	361	394	384	363	341	318	334	324	345	377	415	433	451	459	411	373	2	22	32 491	15	07 291	200
20				384	369	363	352	353	340	353	364	385	395	393	386	383	374	353	355	353	355	366	369	373	374	379	376	369	1	10	21 405	5	23 324	81
21	✓			373	374	373	372	373	372	371	372	381	393	392	383	379	366	359	353	356	364	367	370	372	373	375	375	372	0	9	33 395	14	59 352	43
22	✓			378	373	372	373	373	371	368	364	372	385	393	386	377	366	352	343	351	365	369	372	374	374	372	372	371	0	9	33 395	15	15 341	54
23	✓	✓		385	374	368	364	373	373	371	365	372	385	397	400	393	375	360	343	349	363	365	369	371	372	373	373	372	0	11	14 405	15	40 340	65
24				371	371	371	368	367	367	364	364	365	376	382	378	373	363	355	348	350	359	363	365	369	371	373	373	367	0	10	10 384	15	25 345	39
25	✓			373	373	372	373	373	378	380	370	372	375	386	386	373	362	355	349	351	363	365	368	371	372	372	372	370	0	11	11 392	15	46 345	47
26				372	372	371	371	371	372	372	369	368	380	392	394	383	375	368	353	350	353	363	367	370	373	374	374	371	0	11	10 397	16	30 344	53
27	✓			371	370	367	366	366	363	364	363	373	383	383	383	375	368	363	355	354	363	368	371	372	373	373	373	369	0	10	05 394	15	45 353	41
28	✓			373	371	368	367	365	365	368	366	370	377	385	383	373	369	363	358	353	363	366	370	373	373	373	373	369	0	10	15 387	16	15 352	35
29	✓	✓		370	367	363	361	362	363	363	363	371	377	376	373	363	352	349	349	355	365	370	372	373	373	371	368	365	0	9	25 383	14	18 345	38
30	✓	✓		365	363	362	363	363	364	366	371	381	391	393	388	381	373	358	348	352	363	366	370	370	374	371	370	369	0	10	00 395	15	34 345	50
31																																		
MEANS ALL DAYS				376	372	370	369	370	369	367	365	371	380	385	383	375	365	355	349	351	360	366	372	375	378	380	379	370						63
MEANS TEN DAYS ✻				373	371	369	368	369	370	370	368	375	383	388	385	376	367	357	350	353	363	367	370	372	373	373	372	370						46
MEANS FIVE DAYS † (G. M. T.)				370	369	368	366	366	367	367	369 368	376 373	384	388	386	378	367	356	348	353	363	367	370	372	373	373	372	369						
MEANS FIVE DAYS ‡ (G. M. T.)				381	373	375	374	374	368	370	364	365	376	386	382	370	356	346	340	340	346	360	377	386	396	401	390	371						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 36

DECLINATION

JULY 1936

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1936

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				368	365	362	356	355	357	357	361	371	383	393	386	374	363	352	345	350	360	365	367	368	369	369	368	365	0	10	36 394	15	40 343	51
2			✓	365	363	362	361	359	357	361	363	373	381	383	376	367	373	358	341	332	313	334	336	376	410	435	434	367	2	22	30 455	19	12 301	154
3				394	392	385	384	377	366	364	365	368	373	385	382	382	375	353	344	351	360	365	363	373	374	380	373	372	0	0	00 422	15	38 342	80
4	✓			373	371	365	362	366	366	366	366	375	393	397	393	381	363	352	346	349	361	363	366	371	373	372	373	369	0	10	26 401	16	10 344	57
5				373	372	371	365	365	366	367	367	379	391	393	380	363	352	342	333	333	331	323	333	351	373	377	378	362	1	10	36 405	18	10 303	102
6			✓	381	383	364	372	370	372	373	371	363	344	349	362	361	353	353	343	340	354	348	346	376	385	406	406	366	1	22	35 421	19	47 322	99
7				388	384	373	372	361	342	331	335	332	369	380	376	373	367	363	360	361	385	368	365	376	380	371	373	366	1	0	00 404	5	55 302	102
8				373	376	378	365	365	369	365	361	350	353	354	352	351	362	363	363	362	364	365	366	371	372	371	370	364	0	2	36 385	8	50 339	46
9				368	367	363	356	368	371	370	363	363	376	383	383	378	368	360	353	355	362	363	365	366	368	375	370	367	0	22	55 393	3	29 350	43
10			✓	373	372	371	366	372	368	368	364	363	376	381	383	368	368	355	351	352	357	365	363	368	372	376	388	368	1	23	45 404	15	52 335	69
11			✓	412	393	391	368	352	320	323	324	349	366	382	387	385	368	355	355	368	370	365	383	380	391	405	404	371	1	23	05 429	5	40 291	138
12				394	399	363	356	363	356	355	370	373	373	375	372	371	364	360	352	360	363	367	370	371	372	371	369	368	0	1	08 408	15	18 342	66
13				370	365	361	364	362	341	363	362	363	373	373	363	363	361	356	350	348	356	357	372	376	372	381	373	364	0	19	45 394	5	20 332	62
14	✓	✓		366	373	356	362	365	366	368	370	372	373	373	373	373	363	343	335	339	354	363	365	369	369	371	371	364	0	9	55 378	15	27 332	46
15		✓		372	367	363	363	360	361	363	365	373	386	392	383	373	359	353	343	344	359	363	365	370	371	370	367	366	0	10	13 394	16	00 342	52
16				366	365	363	362	360	362	362	360	368	384	390	362	361	353	353	349	351	359	365	366	368	381	372	369	365	0	10	30 396	4	53 346	50
17				368	363	356	360	355	353	355	357	367	391	389	382	376	363	356	351	353	360	363	371	370	368	371	371	365	0	10	02 403	4	59 348	55
18				371	363	344	349	353	354	359	361	367	384	386	382	379	372	362	357	353	360	362	362	363	366	373	368	365	0	9	52 406	3	13 329	77
19	✓			368	370	369	371	367	363	363	361	366	377	382	377	374	360	346	337	341	352	361	358	362	369	370	365	364	0	9	39 384	16	00 335	49
20	✓			369	365	366	365	365	366	363	354	363	368	372	367	360	350	348	348	344	356	363	363	364	372	369	375	362	0	23	22 379	16	24 340	39
21	✓	✓		361	373	368	364	366	369	366	362	370	379	387	391	384	372	359	352	353	355	362	363	364	365	365	368	367	0	11	30 393	0	29 348	45
22	✓			368	367	368	368	366	367	363	358	363	377	389	390	382	373	354	343	344	353	361	363	365	367	372	371	366	0	11	20 392	15	40 339	53
23	✓	✓		369	368	366	368	368	369	364	356	363	381	387	385	374	371	363	356	354	356	363	363	364	366	366	366	367	0	10	27 389	16	30 353	36
24	✓	✓		365	363	365	365	365	364	363	362	370	380	384	382	369	361	353	343	344	350	353	356	363	364	366	359	363	0	10	52 386	16	06 342	44
25	✓			370	368	366	364	364	364	361	358	358	377	389	389	382	372	365	352	344	353	361	361	356	367	370	370	366	0	10	26 392	16	36 343	49
26	✓			364	362	362	363	363	352	360	359	367	367	370	369	368	365	353	349	351	360	363	363	364	364	364	364	362	0	9	05 373	5	32 338	35
27				363	363	362	362	362	362	361	355	360	374	385	388	384	379	369	352	348	358	360	364	371	383	375	373	367	0	11	35 390	16	20 345	45
28				367	363	353	358	361	362	355	353	348	354	376	387	373	375	361	347	350	356	362	363	366	370	370	371	363	0	11	29 390	9	00 340	50
29			✓	370	365	363	364	363	365	363	362	368	382	391	387	382	364	345	340	324	332	320	330	343	356	401	417	362	1	23	34 427	19	00 302	125
30				401	386	379	395	390	373	357	375	384	384	379	369	373	362	333	318	323	352	361	363	368	371	371	371	368	0	0	00 405	15	31 311	94
31				369	366	364	365	363	362	362	360	366	383	387	383	365	353	344	340	343	350	351	358	363	367	375	369	363	0	10	20 389	16	10 335	54
MEANS ALL DAYS				374	371	366	365	364	361	360	360	365	376	382	379	373	365	354	347	347	355	358	361	367	372	377	376	366						67
MEANS TEN DAYS ✱				367	368	365	365	366	365	364	361	367	377	383	382	375	365	354	346	346	355	361	362	364	368	368	368	365						45
MEANS FIVE DAYS † (G. M. T.)				368	366	365	364	363	364	362	363 361	370 366	380	385	383	375	365	354	346	347	355	361	362	366	367	368	366	365						
MEANS FIVE DAYS ‡ (G. M. T.)				398	391	378	375	369	351	346	354	363	370	377	379	373	365	353	346	343	345	346	352	369	383	405	410	368						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 37

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1936

AUGUST 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				372	363	368	363	363	363	354	349	363	376	375	372	364	351	344	339	342	356	363	364	366	368	367	367	361	0	10	08	387	15 56	333	54
2				366	363	362	362	363	362	363	362	377	389	392	384	371	359	351	341	339	353	359	363	363	366	367	367	364	0	10	27	396	16 12	335	61
3				367	365	363	362	361	350	357	357	367	376	383	386	378	370	353	337	339	353	358	360	361	362	363	366	362	0	11	35	389	15 55	335	54
4				365	363	364	363	363	356	357	360	370	376	392	394	375	365	358	345	349	353	356	360	363	364	364	363	364	0	10	47	399	15 40	343	56
5			✓	363	363	363	363	364	364	363	361	367	381	384	384	385	377	365	345	337	348	355	360	364	365	372	367	365	0	10	40	390	16 20	334	56
6			✓	366	372	370	360	371	362	355	342	338	346	372	377	380	380	364	346	344	353	359	363	363	365	377	365	362	0	22	17	395	8 43	331	64
7	✓	✓		365	364	363	367	364	365	363	360	367	384	395	400	389	372	350	334	334	349	356	360	361	361	361	361	364	0	11	10	402	16 15	332	70
8			✓	360	359	359	361	363	363	363	353	359	381	392	394	384	367	343	334	337	347	356	359	361	362	364	362	362	0	11	00	396	15 42	332	64
9				363	370	362	367	343	353	361	355	364	382	392	392	383	355	332	329	332	350	357	361	361	365	375	376	362	0	11	56	394	4 42	314	80
10			✓	372	377	373	373	371	363	361	354	361	382	388	384	376	361	333	326	327	342	351	365	370	374	370	367	363	0	10	06	393	15 44	322	71
11	✓	✓		374	368	361	360	361	359	357	364	378	393	397	395	382	360	340	334	343	354	359	362	363	364	363	363	365	0	10	40	400	15 32	333	67
12				361	359	353	355	355	355	357	364	375	393	397	395	372	344	329	324	335	351	355	356	361	363	361	361	360	0	10	12	400	15 15	323	77
13	✓			365	362	360	355	355	354	353	345	364	394	404	391	378	353	330	319	329	344	355	356	361	363	365	365	359	0	10	36	406	15 35	316	90
14				361	358	359	356	352	349	350	352	366	386	395	384	373	361	343	334	333	345	353	355	362	364	365	364	359	0	10	16	398	16 00	331	67
15				362	363	362	362	360	356	355	357	378	395	405	401	384	355	336	318	329	343	352	356	361	364	371	364	362	0	10	43	406	15 54	314	92
16				364	363	363	363	361	353	354	363	382	384	392	386	373	356	342	330	333	349	354	355	357	361	363	364	361	0	10	32	395	15 40	324	71
17	✓			365	372	367	360	361	357	356	362	382	404	415	415	404	379	351	331	332	346	353	354	357	360	363	364	367	0	11	10	416	15 55	325	91
18	✓	✓		364	365	363	362	360	353	346	350	368	393	406	406	395	371	344	332	332	345	351	353	353	356	361	363	362	0	11	00	413	16 00	327	86
19	✓	✓		363	362	362	362	361	359	354	355	371	384	396	397	393	370	342	327	330	346	354	354	357	355	362	365	362	0	10	58	401	15 53	325	76
20				365	364	365	363	360	358	358	359	373	389	399	397	388	363	342	331	333	344	350	354	355	355	356	366	362	0	10	50	402	15 46	328	74
21	✓			366	369	369	375	365	367	359	354	365	384	398	401	396	375	352	333	330	339	345	345	353	355	364	365	364	0	11	10	404	16 00	325	79
22	✓			365	364	364	364	362	357	354	354	367	375	386	394	389	374	353	333	328	339	351	354	359	357	362	363	361	0	12	00	395	16 00	325	70
23	✓	✓		364	365	367	370	363	356	354	354	373	391	401	401	391	375	354	340	334	344	350	351	354	356	358	364	364	0	10	56	405	16 35	332	73
24	✓			364	364	363	363	363	357	354	354	362	365	367	366	357	350	343	336	344	350	354	354	360	360	362	365	357	0	20	58	372	15 35	334	38
25				364	363	359	359	362	358	355	363	377	390	389	387	377	358	338	329	333	346	353	354	354	356	356	355	360	0	9	44	395	15 35	327	68
26				355	354	352	351	352	345	344	346	355	365	381	385	383	365	344	330	329	336	348	352	354	355	356	357	354	0	11	40	386	16 00	328	58
27				356	356	355	355	356	355	356	365	384	398	409	406	395	375	344	323	329	335	344	342	347	370	374	366	362	0	10	57	411	15 40	321	90
28				358	359	358	354	354	353	350	359	372	390	393	379	363	350	327	323	330	343	350	354	356	359	360	360	356	0	9	55	397	15 25	322	75
29				361	356	353	355	354	347	351	365	385	399	407	403	391	362	314	300	313	335	345	352	354	355	356	356	357	0	10	59	408	15 16	297	111
30			✓	360	357	358	358	357	356	356	354	372	387	392	390	383	370	345	325	330	344	352	352	354	355	355	356	359	0	11	02	399	16 22	322	77
31				355	354	372	353	324	347	350	355	370	396	399	398	385	365	334	326	334	350	354	354	355	361	363	362	359	0	10	40	407	4 09	297	110
MEANS ALL DAYS				364	363	362	361	359	357	355	356	369	385	393	392	382	364	343	331	334	346	353	356	359	361	364	364	361							73
MEANS TEN DAYS ✲				366	366	364	364	362	358	355	355	370	387	396	397	387	368	346	332	334	346	353	354	358	359	362	364	363							74
MEANS FIVE DAYS † (G. M. T.)				363	362	360	361	360	358	357	357 357	371 368	389	399	400	390	370	346	333	335	348	354	356	358	358	361	363	363							
MEANS FIVE DAYS ‡ (G. M. T.)				365	366	366	361	353	357	357	355	359	375	386	386	382	371	350	335	335	347	355	360	362	364	368	363	362							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

☐ = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

☐ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 38

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1936 — SEPTEMBER 1936

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓			357	356	354	349	346	348	349	355	375	396	401	399	384	359	338	325	325	342	349	349	352	353	354	357	357	0	11	08	404	16	00	323	81
2				357	357	357	354	353	351	348	356	374	389	396	399	388	365	342	325	329	343	346	353	352	354	356	356	358	0	11	33	403	15	45	323	80
3	✓	✓		356	356	356	356	355	354	353	357	373	385	394	387	375	353	334	329	333	344	350	352	353	354	354	354	357	0	10	40	395	15	35	326	69
4				354	354	354	354	356	357	354	359	379	391	394	391	375	349	335	333	336	346	351	352	353	354	355	355	358	0	9	50	402	15	30	331	71
5				354	356	356	353	352	346	338	354	364	382	394	390	376	352	342	334	333	342	349	352	354	354	355	355	356	0	10	39	396	17	05	332	64
6	✓			355	356	356	355	354	349	350	359	375	386	385	375	360	348	344	344	344	343	346	347	351	352	354	354	356	0	9	59	392	17	40	342	50
7	✓	✓		355	355	355	356	356	356	353	354	371	387	399	406	396	373	360	344	333	333	346	351	351	352	352	353	360	0	11	35	408	16	50	332	76
8				353	354	355	356	359	359	358	359	371	390	406	405	388	362	339	326	324	333	336	346	348	353	355	363	358	0	11	11	408	16	36	321	87
9				372	373	365	362	362	362	357	371	385	394	407	403	375	342	316	314	320	333	332	340	354	358	369	365	360	1	10	54	412	15	17	309	103
10				361	365	362	359	363	365	365	375	391	405	400	387	357	343	331	328	333	345	349	346	346	355	365	373	361	0	9	56	407	15	00	326	81
11			✓	367	365	364	366	365	367	365	376	394	403	395	375	340	314	305	323	335	348	353	349	361	366	374	371	360	1	9	44	406	14	08	303	103
12				405	377	373	371	368	373	377	386	403	406	406	396	374	355	338	333	334	343	350	355	356	358	358	359	369	0	9	46	408	16	05	332	76
13	✓	✓		356	360	360	362	365	364	365	378	396	406	405	386	354	326	311	320	333	346	354	354	355	356	358	358	360	0	9	26	408	14	30	309	99
14	✓			357	360	356	358	359	359	356	373	393	408	415	410	381	346	324	322	325	334	345	347	353	355	362	368	361	0	11	05	418	14	55	321	97
15				369	364	359	358	355	354	354	369	387	403	409	397	381	362	340	331	328	335	344	344	347	354	369	370	362	0	10	04	414	16	05	325	89
16	✓	✓		365	363	368	365	363	360	363	375	397	409	408	386	354	325	310	312	324	340	346	346	349	352	354	355	358	0	9	46	417	14	45	305	112
17				356	359	358	356	356	354	355	371	388	399	399	386	366	343	331	331	334	341	346	349	352	354	355	355	358	0	10	08	403	15	10	329	74
18				356	356	356	356	355	356	366	386	403	414	404	375	338	315	310	312	322	326	333	347	352	354	358	361	355	0	9	20	416	14	40	308	108
19	✓			364	370	367	362	360	360	363	377	400	414	413	391	359	331	313	313	323	336	347	348	352	353	354	354	359	0	9	44	416	15	20	312	104
20	✓			355	355	355	355	354	354	362	377	392	395	396	378	351	330	323	321	323	335	346	349	352	352	354	358	355	0	10	42	400	15	27	320	80
21				363	355	354	354	355	356	362	375	395	405	399	384	362	342	323	320	322	333	344	344	346	352	354	354	356	0	9	25	406	16	15	315	91
22				355	354	354	354	356	356	365	377	400	409	408	394	356	323	309	304	319	333	346	351	352	352	352	352	355	0	9	10	421	15	17	302	119
23			✓	352	351	352	352	352	346	363	378	392	399	396	372	336	308	292	316	321	333	351	353	352	363	375	366	353	1	9	10	407	14	25	289	118
24				355	355	354	354	355	359	365	380	397	414	414	388	359	333	318	316	326	340	346	347	352	354	354	354	358	0	10	16	420	14	52	312	108
25	✓	✓		354	352	352	354	353	354	360	376	396	405	399	380	354	333	328	328	334	343	349	349	350	352	352	352	357	0	9	53	406	15	00	326	80
26			✓	352	352	352	352	354	360	369	382	396	396	383	365	331	305	298	307	312	334	343	354	379	406	389	415	358	1	23	32	429	14	09	292	137
27			✓	387	365	384	365	364	366	355	389	406	408	394	364	342	319	312	323	328	329	334	344	351	354	355	356	358	0	9	10	412	14	41	311	101
28				357	359	359	359	362	365	367	382	401	415	406	378	347	330	324	328	341	349	351	354	354	353	353	354	360	0	9	54	417	14	30	323	94
29			✓	354	354	356	356	355	360	367	381	385	398	385	362	342	315	312	323	334	345	347	352	363	376	370	373	357	1	10	02	410	14	14	310	100
30				365	357	357	346	356	356	360	376	401	419	423	398	354	324	312	312	323	336	346	349	351	352	356	355	358	0	9	58	433	15	00	310	123
31																																				
MEANS ALL DAYS				361	359	359	357	357	358	359	372	389	401	401	387	362	338	324	323	328	339	346	349	353	357	359	361	358								92
MEANS TEN DAYS ✲				357	358	358	357	356	356	357	368	387	399	402	390	367	342	328	326	330	340	348	349	352	353	355	356	358								85
MEANS FIVE DAYS † (G. M. T.)				354	356	355	355	357	358	358	368 369	387 385	398	401	389	367	342	329	327	331	341	349	350	352	353	354	354	358								
MEANS FIVE DAYS ‡ (G. M. T.)				374	363	365	359	361	364	365	383	395	401	391	368	338	312	304	318	326	338	346	350	361	373	373	376	358								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE MAGNETIC STORM

[ ] = INTERPOLATED

( ) = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊿ = NO RECORD

TABLE 39

DECLINATION

OCTOBER 1936

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			355	356	356	356	356	355	357	376	394	400	405	381	344	316	311	312	319	336	351	365	355	353	354	355	355	0	10	10	407	15 15	307	100
2	✓	✓		355	355	355	356	358	360	370	382	396	406	398	379	344	313	300	299	314	336	343	344	344	350	353	363	353	0	9	12	407	15 10	293	114
3	✓	✓		361	358	356	356	357	364	375	396	417	420	399	365	326	299	295	303	316	334	335	340	344	345	351	358	353	0	9	46	427	14 10	293	134
4	✓			360	360	356	357	362	365	374	395	412	429	417	372	329	311	312	313	322	335	343	344	345	349	349	351	357	0	9	37	438	13 50	306	132
5				354	355	357	360	363	364	371	394	423	442	428	394	347	313	299	294	306	327	338	337	340	344	353	355	357	0	9	20	446	15 40	293	153
6				365	375	378	379	371	353	370	395	417	422	407	386	358	330	313	303	306	324	339	345	352	355	357	372	361	0	9	09	429	15 46	299	130
7				363	365	358	356	359	366	369	381	397	407	399	373	334	300	288	289	308	324	334	343	355	356	364	367	352	1	9	31	419	14 49	282	137
8				367	361	357	357	350	348	362	375	407	416	417	385	347	312	300	293	320	336	345	349	351	357	365	374	356	1	8	30	426	15 18	287	139
9				365	357	360	333	351	357	368	381	395	397	396	373	344	322	306	300	303	324	336	337	362	357	363	392	353	1	23	17	416	15 34	286	130
10			✓	370	364	373	374	366	372	380	402	411	396	379	352	327	318	313	310	327	355	355	352	353	368	367	382	361	1	8	33	430	15 38	303	127
11				369	365	367	363	363	363	378	397	408	413	403	372	335	308	297	305	324	342	343	343	344	345	346	352	356	0	9	20	417	14 25	295	122
12	✓			354	355	357	358	362	367	384	406	419	425	409	369	323	290	287	300	321	342	344	342	344	347	353	353	355	0	9	08	427	14 00	283	144
13				355	355	354	354	355	358	371	393	414	422	406	365	324	294	288	295	313	331	336	339	344	345	348	348	350	0	9	30	425	14 00	283	142
14				348	355	354	355	356	364	381	407	432	437	420	381	337	305	298	303	313	327	336	339	344	363	381	378	359	0	9	05	438	14 20	297	141
15				383	369	364	355	357	365	386	417	446	457	428	381	329	308	294	299	313	324	336	343	344	344	349	357	360	1	9	06	466	14 53	292	174
16			✓	355	352	353	355	355	345	358	378	417	430	429	401	360	318	293	300	316	331	331	342	342	346	352	358	355	1	10	08	438	14 40	291	147
17			✓	373	404	400	404	356	369	405	382	410	430	396	358	312	286	290	278	301	324	316	313	334	335	355	355	354	1	9	17	459	15 00	268	191
18				356	357	360	368	374	380	397	417	430	426	410	386	355	328	318	324	326	334	344	353	345	346	345	348	364	0	8	59	439	14 52	310	129
19				354	354	353	354	355	365	384	404	418	424	408	375	341	319	313	309	320	333	345	364	357	358	355	351	359	0	9	18	427	15 15	306	121
20				354	355	355	354	352	359	369	396	422	416	397	369	336	305	299	303	322	336	342	344	344	352	365	355	354	0	8	19	429	14 39	294	135
21	✓			375	375	366	357	355	363	381	406	418	427	417	387	355	328	312	310	319	332	345	346	347	354	356	357	362	0	9	37	430	15 20	309	121
22	✓	✓		354	350	348	346	350	355	369	388	410	419	418	400	366	331	305	301	309	324	335	340	342	352	352	353	355	0	10	05	427	15 02	300	127
23				353	353	352	353	355	355	364	375	396	407	404	383	362	341	326	324	326	327	333	335	337	342	344	348	354	0	9	52	409	15 10	322	87
24			✓	353	352	345	345	359	358	363	377	393	416	420	394	357	324	294	292	305	324	318	334	355	371	359	370	353	0	10	13	429	15 00	291	138
25				385	422	401	375	364	376	395	411	414	413	396	365	339	319	314	319	317	325	334	339	336	342	344	353	362	1	1	36	448	13 48	313	135
26				351	351	347	347	353	358	373	396	410	415	399	372	350	333	324	325	331	336	344	345	365	355	354	347	358	0	9	37	418	15 09	322	96
27	✓	✓		346	350	350	352	355	361	378	396	406	407	386	351	319	304	305	314	330	338	340	340	341	343	344	345	350	0	8	40	409	14 00	303	106
28	✓	✓		347	348	352	352	355	360	373	388	407	414	389	353	324	311	313	322	334	341	347	344	342	344	344	344	352	0	9	30	417	14 00	308	109
29	✓			350	347	347	348	355	357	372	396	410	425	409	368	325	294	284	297	321	336	337	338	338	344	347	355	350	0	9	50	427	14 40	283	144
30				353	347	345	346	350	354	374	405	417	415	386	352	319	295	287	300	323	342	339	337	337	343	344	346	348	0	9	17	422	14 30	284	138
31			✓	347	352	351	351	354	365	393	424	441	448	401	350	313	281	260	277	298	314	352	342	395	387	370	367	356	1	9	27	482	14 43	242	240
MEANS ALL DAYS				359	360	359	357	358	361	376	395	413	420	406	374	338	311	301	304	317	332	339	343	348	351	354	358	356							135
MEANS TEN DAYS ✲				356	355	354	354	356	361	373	393	409	417	405	372	336	310	302	307	320	335	342	344	344	348	350	353	354							123
MEANS FIVE DAYS † (G. M. T.)				354	353	353	353	357	360	372	390 390	407 408	413	398	370	336	312	304	308	321	335	340	342	343	347	349	353	353							
MEANS FIVE DAYS ‡ (G. M. T.)				373	383	377	375	365	374	396	406	414	424	405	371	334	305	290	291	309	330	334	337	356	361	361	366	360							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 40

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M		MINIMUM H	MINIMUM M		RANGE
1	✓			383	365	356	363	366	383	406	425	425	406	396	363	324	304	303	311	323	334	341	341	342	346	348	350	358	0	8	10	427	13	42	299	128
2				360	361	356	358	365	371	386	406	427	424	399	364	327	303	299	303	319	334	337	337	336	341	339	343	354	0	8	50	428	14	30	297	131
3			✓	345	350	354	365	375	386	393	415	437	441	417	380	336	299	284	274	289	327	363	360	362	383	378	377	362	1	9	18	448	16	03	271	177
4				378	364	373	367	344	362	385	394	430	448	417	367	342	313	299	310	322	334	344	344	344	344	349	354	359	0	9	45	460	14	30	297	163
5				347	344	346	350	354	357	378	406	419	417	396	354	318	286	278	284	307	333	335	339	342	343	345	345	347	0	9	40	425	14	38	275	150
6				348	348	350	353	356	366	386	407	420	421	408	374	340	305	293	294	310	323	343	338	346	351	355	350	354	0	9	00	428	15	50	292	136
7				347	353	354	350	355	370	374	389	404	407	399	379	344	307	294	303	318	335	352	355	350	364	375	369	356	0	9	12	410	14	28	293	117
8				359	355	351	335	343	336	343	368	388	402	390	366	339	316	305	308	315	328	338	343	345	347	350	370	348	0	9	18	409	14	55	304	105
9				363	358	355	354	356	367	354	387	405	401	394	344	322	306	300	314	335	345	345	344	346	347	347	347	352	0	10	19	432	14	25	298	134
10				355	348	345	346	353	364	385	414	424	418	395	337	296	282	281	283	309	326	339	344	341	343	347	352	347	1	8	05	432	15	19	270	162
11			✓	350	348	340	327	344	364	382	407	419	415	400	371	336	301	284	293	304	324	341	348	362	385	386	386	355	1	8	33	426	14	54	281	145
12				398	361	365	384	376	355	354	387	420	422	410	376	342	324	319	322	333	340	344	345	345	346	364	364	362	0	9	00	428	14	19	317	111
13	✓	✓		358	352	355	345	352	369	392	414	431	422	405	365	327	305	293	298	316	333	338	338	340	342	345	345	353	0	8	40	438	14	40	291	147
14	✓			347	348	348	352	355	364	386	418	426	428	388	343	308	293	293	301	314	329	332	332	332	336	345	350	349	0	9	17	433	13	50	292	141
15			✓	348	352	350	350	354	365	388	422	445	435	392	347	314	290	283	282	301	317	333	338	356	366	397	367	354	1	8	51	448	15	18	271	177
16			✓	353	348	345	351	345	346	383	409	453	448	411	355	308	283	285	292	316	336	335	347	378	379	358	348	355	1	8	28	468	14	12	277	191
17				343	347	336	325	342	355	381	405	420	425	401	351	329	314	303	319	332	345	345	339	342	347	355	353	352	1	9	44	432	14	26	301	131
18				356	341	347	347	345	338	357	380	403	405	398	386	365	335	311	303	318	327	341	354	355	355	365	370	354	1	9	10	409	15	42	299	110
19				353	355	352	348	345	343	363	375	389	405	393	362	334	310	295	294	310	327	340	352	362	353	354	355	349	0	9	09	411	15	00	293	118
20	✓			355	342	336	345	338	357	369	393	417	417	406	375	334	301	283	284	306	331	335	341	348	355	353	355	349	0	8	41	426	14	57	280	146
21	✓			354	351	342	343	347	352	362	386	409	427	421	406	375	345	314	308	315	332	337	342	355	363	349	347	358	0	9	42	428	15	15	306	122
22	✓	✓		346	348	345	345	346	353	365	386	406	426	426	399	364	331	314	313	313	321	335	341	347	344	345	351	355	0	9	48	431	15	49	311	120
23	✓	✓		350	348	347	347	353	360	375	393	402	396	389	365	341	321	306	304	311	326	337	344	340	344	345	346	350	0	8	00	404	15	20	303	101
24	✓	✓		349	349	348	350	353	354	359	367	380	388	384	362	335	316	309	303	306	320	336	345	343	342	343	345	345	0	9	58	392	15	30	301	91
25	✓	✓		353	348	346	350	354	360	376	386	406	403	397	371	343	318	301	292	304	316	326	334	335	344	345	345	348	0	8	49	413	15	17	290	123
26				345	345	345	346	350	358	374	390	389	393	390	365	335	319	309	306	314	327	330	332	333	338	345	344	347	0	10	00	397	15	25	305	92
27	✓			345	343	335	326	345	361	369	392	403	400	378	357	330	309	311	316	325	333	330	328	331	335	341	345	345	0	9	12	415	13	42	302	113
28				345	345	346	353	354	364	386	397	405	399	383	350	325	311	306	312	324	335	336	332	328	333	335	338	348	0	8	03	407	14	30	305	102
29			✓	343	345	351	356	358	369	396	438	454	408	366	322	288	255	265	252	284	284	304	314	312	323	347	357	337	2	7	46	500	13	56	210	290
30				356	355	358	364	358	375	389	402	401	399	389	373	345	320	303	294	304	316	333	344	353	353	348	351	353	0	7	53	412	15	18	292	120
31																																				
MEANS ALL DAYS				354	351	349	350	353	361	377	399	415	415	398	364	332	307	297	299	313	328	337	341	345	350	353	354	352								136
MEANS TEN DAYS ✱				354	349	346	347	351	361	376	396	410	411	399	371	338	314	303	303	313	328	335	339	341	345	346	348	351								123
MEANS FIVE DAYS † (G. M. T.)				349	348	347	349	353	359	374	389 391	405 401	407	400	372	342	318	305	302	310	323	334	340	341	343	345	346	350								
MEANS FIVE DAYS ‡ (G. M. T.)				366	355	355	358	353	359	378	399	442	429	397	355	316	286	280	279	299	318	335	341	354	367	373	367	353								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

= APPROXIMATE. MAGNETIC STORM

= INTERPOLATED

= ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

△ = NO RECORD

TABLE 41

DECLINATION

DECEMBER 1936

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				364	357	352	355	357	372	387	400	428	435	412	375	346	325	305	304	315	332	345	352	357	362	364	356	361	0	9	50	14	44	139
2				355	352	349	346	344	354	377	408	425	428	412	381	346	303	281	284	306	320	326	327	332	337	344	345	349	0	8	50	15	10	160
3				347	345	344	339	339	353	354	356	377	409	419	392	356	325	303	296	305	316	328	331	336	344	351	356	347	0	10	15	15	22	130
4			✓	348	346	354	355	360	369	378	396	405	425	418	395	352	316	310	303	316	315	326	346	356	359	342	347	356	1	10	23	15	30	131
5				359	347	344	347	351	363	379	398	415	399	388	359	330	310	290	291	308	329	338	346	346	346	345	343	349	0	8	12	15	05	151
6				342	346	339	337	339	336	348	364	387	395	388	369	337	312	302	307	326	337	349	353	357	348	349	362	347	0	9	11	14	50	105
7				349	352	353	335	336	351	366	367	391	407	398	386	367	346	318	315	325	332	345	339	336	337	339	344	351	0	9	08	15	05	103
8				354	345	342	326	326	355	366	369	371	388	388	359	326	305	295	304	327	337	349	344	338	341	342	343	343	0	9	55	14	20	104
9	✓	✓		347	347	343	339	340	359	377	390	390	396	381	365	347	330	316	316	327	338	346	345	345	347	359	353	352	0	9	26	14	00	84
10	✓	✓		346	345	340	344	347	360	378	397	400	391	376	353	332	313	306	311	319	327	336	340	344	346	346	346	348	0	8	20	14	55	98
11	✓			342	342	345	347	351	363	383	409	419	406	369	337	313	296	291	299	318	336	349	346	340	339	340	341	347	0	8	00	14	02	133
12			✓	343	345	347	347	353	365	376	402	427	427	388	344	306	274	274	295	313	330	347	335	330	327	337	345	345	1	9	11	14	02	169
13			✓	352	344	342	347	347	363	388	426	445	440	419	361	316	289	270	289	307	325	340	343	337	336	340	339	350	1	9	00	14	28	195
14				337	334	337	347	351	361	357	375	401	406	393	376	347	325	315	313	325	330	334	336	342	345	360	345	350	1	9	17	15	22	105
15				349	345	344	346	353	366	380	406	420	422	417	381	337	306	297	299	314	324	332	343	345	345	344	347	353	0	9	00	14	36	133
16	✓			345	343	344	345	349	359	377	402	430	440	426	388	350	319	300	303	312	322	332	336	336	337	339	345	353	0	9	19	15	00	147
17	✓			346	342	342	344	346	349	377	399	412	421	409	368	335	306	294	292	306	324	333	335	335	337	340	340	347	0	9	50	15	12	136
18	✓			341	344	341	346	348	357	376	395	401	406	381	352	337	316	305	306	315	328	337	339	344	356	347	343	348	0	9	13	14	39	112
19	✓	✓		349	348	345	346	347	358	376	404	420	419	399	347	310	298	291	292	305	320	330	329	329	334	337	339	345	0	8	53	14	40	134
20				344	343	343	347	347	355	370	386	397	399	376	338	313	298	294	299	312	327	336	334	337	340	341	338	342	0	8	50	14	20	111
21				338	345	348	353	357	370	391	414	440	436	398	347	320	306	298	299	302	316	329	335	334	344	353	370	352	0	8	33	16	02	150
22	✓	✓		362	358	348	346	347	358	362	377	378	378	361	342	323	315	311	311	317	329	337	337	337	336	340	337	344	0	7	53	14	29	75
23	✓			338	340	343	345	346	355	363	381	388	398	379	351	329	315	306	303	306	327	337	337	330	335	337	340	343	0	9	54	14	34	98
24	✓	✓		348	346	341	337	346	354	370	375	380	385	378	364	344	327	316	308	306	307	321	335	337	337	339	340	343	0	9	29	16	20	85
25				344	344	346	347	347	352	361	368	371	371	364	344	324	305	295	296	306	316	327	332	330	335	337	339	338	0	9	06	14	50	81
26				343	346	344	348	349	368	389	410	430	430	401	355	315	291	286	297	307	318	328	330	329	335	337	340	347	0	9	12	14	00	148
27			✓	344	343	343	345	347	360	375	388	390	388	372	348	321	299	286	279	290	304	316	318	328	338	345	345	338	1	8	20	14	56	117
28			✓	347	355	353	368	365	349	389	421	441	435	399	350	310	297	283	296	306	307	332	367	355	365	380	370	356	1	8	34	14	44	186
29				378	378	365	367	368	389	425	439	442	433	401	358	323	304	287	295	304	319	330	342	337	339	349	358	360	0	9	06	14	44	163
30				364	355	355	358	361	363	371	378	421	436	422	389	347	317	305	306	309	322	331	334	332	337	338	342	354	0	9	27	14	30	136
31				342	345	350	361	367	374	385	407	445	468	453	416	376	337	306	293	297	317	335	341	342	338	338	340	361	0	9	05	14	70	180
MEANS ALL DAYS				349	347	346	347	349	360	376	394	409	413	396	364	333	310	298	300	311	324	335	339	339	342	345	346	349						129
MEANS TEN DAYS ✱				346	346	343	344	347	357	374	393	402	404	386	357	332	314	304	304	313	326	336	338	338	340	342	342	347						110
MEANS FIVE DAYS (G. M. T.) †				343	343	343	346	348	357	371	389 388	394 395	394	379	354	331	317	308	308	315	324	334	337	338	340	344	343	346						
MEANS FIVE DAYS (G. M. T.) ‡				355	352	348	355	356	365	388	412	422	423	399	360	321	295	285	292	306	316	332	342	341	345	349	349	350						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 42

HORIZONTAL INTENSITY

23982 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1936

JANUARY 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			678	684	679	673	676	681	689	695	685	677	670	658	655	654	660	667	676	681	681	677	682	684	683	681	676	0	7 35	696	13 36	653	43
2	✓			683	682	688	685	687	690	696	702	700	698	698	689	687	689	692	691	693	694	686	683	684	684	684	684	690	0	7 34	703	19 26	680	23
3	✓	✓		687	685	683	682	684	683	688	692	699	699	684	667	657	658	659	666	675	682	685	683	686	687	686	685	681	0	9 00	703	14 30	658	45
4	✓	✓		685	682	683	686	686	692	697	701	707	708	709	706	703	699	692	688	690	689	687	686	686	686	685	687	692	0	10 10	710	1 56	681	29
5	✓			687	687	691	690	691	690	690	689	693	699	698	693	686	683	677	681	675	681	690	691	688	689	689	688	688	0	9 50	702	16 00	670	32
6	✓	✓		689	689	689	689	689	689	690	690	692	693	694	698	703	708	709	699	693	691	691	686	686	685	684	685	692	0	13 42	708	24 00	682	26
7	✓	✓		682	682	683	687	690	694	696	694	692	691	690	688	691	686	690	691	692	693	692	692	694	694	693	693	690	0	6 48	696	2 15	680	16
8			✓	692	692	695	698	701	705	707	703	703	707	708	719	734	734	719	691	693	699	700	691	698	680	661	659	700	1	12 00	737	24 00	656	81
9				662	669	679	674	675	676	679	674	662	659	656	658	667	666	673	685	678	678	671	663	669	675	675	684	671	1	23 39	690	11 05	654	36
10				683	684	683	687	699	692	690	682	672	671	668	670	680	674	665	671	680	686	669	666	669	675	680	676	678	1	4 38	705	14 50	658	47
11				673	672	680	681	671	672	670	665	663	668	676	681	688	690	688	689	683	669	670	675	675	680	675	688	677	0	12 52	692	18 18	664	28
12				681	681	682	681	683	685	683	682	681	680	685	690	697	699	688	690	693	688	671	665	662	672	677	671	682	0	12 45	701	20 30	660	41
13				673	676	677	678	683	685	690	686	674	668	673	688	685	682	667	669	671	677	677	672	682	685	677	687	678	1	6 50	692	15 07	663	29
14				686	679	685	691	694	685	687	687	691	690	682	677	663	667	662	665	673	671	679	675	679	681	682	685	680	0	9 04	695	14 14	657	38
15	✓			687	687	679	679	681	682	682	684	686	684	682	678	680	686	686	680	673	673	677	680	684	687	683	688	682	0	8 53	687	16 19	670	17
16	✓	✓		691	695	687	683	682	687	684	684	685	687	686	686	682	683	682	685	687	682	686	686	686	686	685	683	685	0	1 28	698	15 00	680	18
17	✓			685	684	684	683	684	687	686	687	691	689	676	661	660	670	684	686	691	693	683	682	682	683	685	686	683	0	8 49	692	12 16	658	34
18			✓	686	687	687	688	690	688	687	688	701	709	704	679	669	667	674	683	667	682	663	663	658	664	671	668	680	1	10 12	714	20 30	649	65
19				682	690	696	676	673	672	676	679	679	675	661	653	653	662	672	681	676	682	677	676	678	678	677	672	675	1	1 55	715	12 24	650	65
20				675	677	682	685	684	679	684	682	673	668	666	667	672	676	673	670	669	673	673	675	677	678	677	676	675	0	7 30	683	16 33	667	16
21				674	673	675	675	689	685	688	685	680	678	669	670	683	692	695	695	689	688	686	685	683	684	680	676	682	1	4 50	696	11 06	668	28
22				680	681	683	688	699	688	685	680	684	678	675	668	669	670	664	661	671	672	667	654	663	672	676	681	675	0	5 00	711	19 45	649	62
23				679	677	693	689	680	685	688	697	697	684	669	657	657	668	685	681	669	676	681	683	683	685	686	692	681	0	8 30	699	12 21	654	45
24			✓	693	691	690	691	691	692	698	696	675	684	686	684	695	692	685	681	675	676	676	682	683	679	679	679	686	1	7 08	700	18 20	670	30
25			✓	683	685	682	676	662	660	680	650	663	640	640	629	623	640	642	655	648	636	639	645	659	639	629	652	652	1	2 57	694	12 26	609	85
26			✓	650	650	653	658	659	663	665	663	657	654	656	659	660	657	649	650	639	638	656	653	664	664	670	681	657	1	23 18	688	16 08	633	55
27				668	660	661	664	670	688	676	675	667	656	639	630	631	645	661	672	670	668	668	668	669	665	663	665	662	0	5 20	697	12 02	623	74
28				668	674	671	670	673	674	678	683	684	668	643	638	638	647	636	657	665	667	670	669	668	673	670	673	665	1	8 20	685	14 15	627	58
29				676	675	672	675	676	678	685	683	676	667	646	637	638	646	665	677	677	674	675	676	678	678	681	681	670	0	6 40	686	12 50	637	49
30				682	684	681	679	677	676	680	687	694	690	673	657	647	652	651	666	670	672	671	667	657	665	674	674	672	0	9 01	695	14 21	649	46
31				671	679	674	671	677	679	681	678	671	675	668	655	638	633	642	661	667	670	669	669	669	670	673	676	667	1	1 40	683	13 26	632	51
MEANS ALL DAYS				680	680	682	681	682	683	686	685	683	680	675	671	671	673	674	677	676	677	676	675	677	678	677	679	678						42
MEANS TEN DAYS ✲				685	686	685	684	685	688	690	692	693	692	689	682	680	682	683	683	684	686	686	685	686	686	686	686	686						28
MEANS FIVE DAYS † (G. M. T.)				686	685	687	689	690	694	695	692 695	695 697	696	693	689	687	687	686	686	687	687	688	687	688	688	687	687	689						
MEANS FIVE DAYS ‡ (G. M. T.)				669	671	674	670	668	672	675	668	680	679	679	674	676	678	674	672	664	666	667	667	672	665	662	668	671						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

△̄ = NO RECORD

TABLE 43

HORIZONTAL INTENSITY

23982 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1936

FEBRUARY 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		676	678	675	671	673	676	675	684	685	677	666	635	634	637	646	664	672	675	674	673	672	674	670	671	668	0	8 39	687	12 51	633	54
2				672	672	674	671	672	679	681	675	675	666	653	650	655	659	662	660	658	670	674	673	672	671	672	680	669	0	6 36	685	12 00	649	36
3				676	672	671	659	653	662	665	666	665	670	663	658	654	654	656	664	670	665	665	669	670	674	678	681	666	0	0 05	687	14 18	653	34
4				676	678	683	680	677	685	687	676	669	674	669	672	679	688	691	683	663	654	657	664	664	669	671	670	674	0	6 35	688	18 05	652	36
5	✓	✓		670	670	676	676	671	672	671	668	662	667	672	671	667	667	669	676	670	667	674	677	680	670	672	674	671	0	3 23	680	21 51	665	15
6	✓			678	680	680	680	685	684	689	687	679	670	662	657	658	671	682	684	682	684	683	683	682	682	683	682	679	0	7 00	690	12 10	656	34
7	✓	✓		682	685	680	680	678	679	683	683	674	664	662	669	675	678	681	679	682	686	686	686	687	685	685	684	680	0	1 00	693	10 26	660	33
8	✓			685	687	689	690	685	689	694	695	686	675	668	686	697	691	692	691	692	686	684	685	687	688	689	689	688	0	6 48	697	10 20	662	35
9				687	688	684	678	674	677	683	682	668	652	655	676	677	687	693	693	693	680	675	686	677	665	671	681	678	1	16 10	704	9 55	649	55
10				685	695	686	687	687	697	693	692	682	672	659	658	667	661	669	676	684	682	672	675	670	680	679	677	679	1	5 12	706	13 37	657	49
11				706	686	680	681	681	678	672	677	677	669	663	654	655	652	671	676	675	669	668	672	673	681	681	676	674	1	0 07	712	13 17	643	69
12	✓			676	677	677	676	675	675	680	683	684	679	667	647	637	649	662	676	678	683	680	679	685	684	677	679	674	0	20 57	691	12 35	635	56
13	✓	✓		680	682	686	685	685	687	692	692	692	689	691	689	682	677	678	682	685	685	684	684	685	684	682	683	685	0	10 54	692	14 10	677	15
14				683	685	684	684	684	686	689	692	692	687	682	678	678	686	692	693	690	697	693	689	693	703	694	688	688	1	21 45	709	12 16	677	32
15				678	667	669	675	682	678	680	677	674	656	654	667	683	684	679	673	671	668	669	668	661	661	673	672	672	0	0 10	694	9 47	653	41
16			✓	671	671	673	671	670	677	674	671	670	666	657	649	642	643	649	657	656	656	658	663	652	671	695	665	664	1	22 30	730	13 28	641	89
17			✓	667	661	673	669	667	691	688	684	679	664	667	657	643	650	657	653	651	657	658	661	644	643	639	655	662	1	5 25	704	22 46	636	68
18				648	662	665	665	645	643	643	635	623	613	614	621	633	649	657	660	660	659	657	653	657	656	650	649	647	0	1 56	685	10 20	609	76
19			✓	663	666	661	659	658	661	660	659	654	642	634	627	629	647	654	648	650	644	648	648	647	647	659	654	651	1	24 00	679	12 26	625	54
20				666	651	656	678	665	669	667	657	647	640	644	653	650	654	656	650	650	658	663	664	663	664	663	666	658	0	0 04	680	9 34	636	44
21			✓	668	668	666	673	675	665	673	674	671	662	654	645	636	636	636	651	657	658	651	644	653	634	624	636	655	0	4 09	682	22 13	621	61
22			✓	653	671	672	658	663	667	659	658	645	635	644	637	623	644	653	650	632	633	642	648	650	657	661	650	650	0	1 50	695	12 30	613	82
23				655	657	663	665	670	670	675	673	665	648	641	637	635	633	633	646	657	663	669	664	664	664	657	652	656	1	6 45	679	14 22	627	52
24				650	652	655	677	668	666	668	668	659	647	638	634	637	641	640	646	654	659	662	663	658	660	667	667	656	0	3 44	691	11 56	633	58
25	✓			667	667	668	670	672	672	677	683	678	670	656	650	644	640	647	658	667	672	673	679	677	665	652	669	666	0	7 34	685	13 50	640	45
26				673	668	667	684	677	672	672	674	665	655	653	644	638	645	654	663	672	667	661	648	649	650	648	646	660	1	3 25	688	13 00	635	53
27				653	656	656	669	673	663	664	666	664	658	640	644	641	626	629	642	641	643	641	641	664	664	657	657	652	1	20 53	684	14 10	619	65
28	✓	✓		656	666	667	657	661	666	667	665	662	659	654	647	646	660	662	664	666	665	665	668	667	666	670	670	662	0	2 30	673	12 22	645	28
29	✓			669	671	671	672	673	675	677	677	671	664	656	653	656	662	669	668	673	671	662	665	667	671	676	668	668	0	7 40	677	12 —	651	26
30																																		
31																																		
MEANS ALL DAYS				671	672	673	674	672	675	676	675	670	662	656	654	654	658	663	666	667	667	667	668	668	668	669	669	667						48
MEANS TEN DAYS ✱				674	676	677	676	676	678	680	682	677	671	665	660	660	663	669	674	677	677	676	678	679	677	676	677	674						34
MEANS FIVE DAYS † (G. M. T.)				677	679	680	679	680	683	686	678 685	675 681	671	669	662	661	664	667	673	675	676	677	678	678	676	676	676	675						
MEANS FIVE DAYS ‡ (G. M. T.)				658	660	666	667	662	668	666	661	664	654	651	643	635	644	650	652	649	650	651	653	649	650	656	652	655						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
▲ = NO RECORD

TABLE 44

HORIZONTAL INTENSITY

23982 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1936 — MARCH 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			667	672	681	679	675	676	676	685	679	676	670	668	662	662	676	682	668	666	670	672	676	678	675	676	674	0	7 18	689	13 10	659	30
2	✓			677	678	678	680	678	680	682	686	683	682	683	685	680	674	677	677	679	681	681	681	680	676	677	677	680	0	7 30	686	13 18	673	13
3	✓	✓		680	681	681	681	680	678	685	690	690	688	688	693	689	681	682	680	681	683	686	687	687	688	688	688	685	0	11 46	693	5 37	677	16
4	✓	✓		688	687	688	690	692	694	698	701	697	689	680	678	676	676	680	684	687	689	693	694	689	691	691	691	688	0	7 36	702	12 52	673	29
5	✓			691	691	692	693	695	694	696	696	688	683	686	690	688	683	677	673	675	681	682	681	683	683	683	677	686	0	6 54	698	15 09	670	28
6				685	689	684	686	687	688	690	692	689	682	677	670	661	659	664	672	681	682	677	681	679	678	679	680	680	0	6 50	693	13 38	656	37
7	✓	✓		684	679	681	683	684	686	682	683	682	679	676	678	675	666	660	670	675	676	675	677	678	675	674	675	677	0	0 22	688	14 32	658	30
8				676	678	679	681	683	684	685	687	682	680	683	689	687	683	682	689	683	686	686	672	666	674	676	672	681	1	15 41	691	20 33	661	30
9				664	668	670	675	677	677	683	686	688	686	681	673	663	658	669	676	680	680	684	680	669	663	667	663	674	1	8 20	689	13 42	656	33
10				664	671	677	684	683	686	687	688	686	684	680	666	659	651	649	661	665	668	673	668	666	671	679	683	673	1	23 48	690	14 41	646	44
11	✓	✓		682	680	679	680	681	684	687	692	695	692	690	690	683	680	680	683	679	678	682	686	686	685	684	683	684	0	8 24	696	17 05	674	22
12	✓	✓		683	683	685	686	688	689	691	694	692	695	695	697	694	691	691	691	688	685	684	683	680	680	680	677	688	0	10 58	698	23 54	675	23
13				677	679	679	681	683	685	686	683	680	679	680	682	679	669	672	679	682	685	686	684	689	690	690	688	682	0	21 19	695	13 41	664	31
14				689	690	692	687	686	686	686	681	674	676	685	692	689	685	682	682	673	671	676	681	683	685	684	684	683	0	2 00	695	17 20	670	25
15				682	683	678	678	682	682	683	681	672	675	681	683	678	671	673	669	662	668	673	675	675	678	674	681	677	1	1 06	689	16 15	659	30
16				682	681	676	670	672	674	675	673	673	682	691	691	674	671	672	673	677	674	675	677	677	675	674	672	676	0	10 45	694	13 01	662	32
17				672	671	668	670	670	669	669	671	673	672	663	658	653	644	639	643	650	655	664	668	669	669	670	671	663	1	9 00	676	14 48	637	39
18				669	671	675	675	681	684	681	675	677	671	664	666	663	661	659	651	651	659	663	666	661	667	669	671	668	0	5 15	691	16 11	647	44
19				671	672	674	672	672	664	664	658	653	652	648	650	650	648	647	649	658	663	666	666	666	667	667	672	661	1	4 27	676	14 36	645	31
20			✓	674	677	678	689	688	679	677	680	676	675	670	646	646	649	649	646	647	633	647	655	645	635	651	653	661	1	3 55	698	17 46	627	71
21			✓	654	654	659	663	668	669	678	674	665	660	647	650	642	642	635	631	635	627	600	612	621	635	647	650	647	1	6 55	682	18 32	590	92
22				650	655	657	666	671	654	655	655	640	635	643	648	646	648	651	655	657	659	661	658	659	650	649	656	653	1	4 14	678	9 10	632	46
23			✓	658	662	669	675	672	671	671	671	664	660	653	650	644	637	641	642	636	633	639	644	655	656	665	665	656	1	3 07	682	17 18	629	53
24			✓	666	659	666	670	655	653	658	662	655	656	666	655	660	661	640	644	657	643	644	649	657	664	637	645	655	1	2 54	685	14 27	633	52
25			✓	652	655	667	674	672	663	655	654	652	654	622	643	651	648	644	642	639	639	643	647	652	646	638	648	650	1	4 30	681	10 21	611	70
26				653	654	656	659	665	662	656	650	647	658	633	635	631	615	610	617	629	640	641	651	656	656	657	660	645	1	6 04	667	14 42	608	59
27				660	659	659	662	670	665	672	667	666	652	651	655	654	653	640	644	647	635	637	630	633	644	648	657	652	1	6 00	676	19 44	625	51
28				660	667	657	656	669	667	660	656	646	641	646	648	643	643	641	639	641	648	654	657	660	662	658	660	653	0	1 01	671	9 07	636	35
29	✓			660	662	663	669	666	667	668	672	672	671	658	645	635	630	628	632	635	637	642	645	640	641	649	654	652	0	7 48	673	14 25	626	47
30	✓			659	661	663	665	670	671	671	674	672	664	655	648	645	644	642	642	652	659	662	662	667	670	670	670	661	0	7 32	675	15 20	640	35
31				671	673	675	674	676	677	679	678	676	681	686	679	667	661	663	655	645	647	650	649	662	661	672	668	668	1	10 40	687	16 09	645	42
MEANS ALL DAYS				671	672	674	676	677	676	677	677	674	672	669	668	663	659	659	660	662	662	664	666	667	668	668	670	669						39
MEANS TEN DAYS ✲				677	677	679	681	681	682	684	687	685	682	678	677	673	669	669	671	672	674	676	677	677	677	677	677	677						27
MEANS FIVE DAYS (G. M. T.) †				683	684	685	686	688	689	691	692 692	691 688	689	686	687	683	679	679	682	682	682	684	685	684	684	683	683	685						
MEANS FIVE DAYS (G. M. T.) ‡				655	655	661	666	666	660	660	659	662	661	652	649	649	647	642	641	643	635	635	641	646	647	648	652	651						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 45

HORIZONTAL INTENSITY

23982 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1936 APRIL 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				669	671	672	676	677	680	682	688	688	688	686	683	676	670	670	669	672	679	683	680	683	681	673	658	677	1	7 31	690	23 30	654	36
2				651	653	677	657	657	660	662	664	664	656	655	658	651	647	645	648	657	664	670	672	671	672	672	670	661	1	2 25	686	14 00	642	44
3				671	674	677	677	678	677	682	679	677	671	669	675	677	673	674	673	680	679	677	675	678	678	676	679	676	1	23 19	688	15 13	669	19
4				671	669	668	667	679	655	653	651	656	666	670	669	657	649	638	634	647	651	657	663	664	663	664	665	659	0	4 25	690	15 06	626	64
5	✓	✓		666	665	667	669	670	670	667	663	657	654	656	661	658	658	657	657	658	663	668	669	669	666	664	663	663	0	20 58	671	9 38	653	18
6	✓	✓		665	672	671	669	672	674	676	682	685	684	677	671	661	656	662	669	666	666	666	672	679	682	683	684	673	0	8 53	687	13 23	654	33
7	✓			682	685	686	685	686	687	687	691	686	675	666	658	652	657	665	671	678	680	677	669	659	651	648	657	672	0	7 10	692	21 44	641	51
8				664	665	669	672	678	680	683	686	683	675	666	660	650	650	655	654	637	655	649	640	635	645	664	664	662	1	7 49	687	16 33	631	56
9	✓			665	664	675	674	673	674	671	671	672	666	655	651	651	649	660	662	670	674	680	680	677	678	680	681	669	0	22 00	682	13 10	646	36
10	✓	✓		679	678	678	677	683	679	676	676	671	670	673	681	679	676	674	674	679	676	680	679	679	681	679	676	677	0	4 37	684	8 56	670	14
11				677	677	679	680	680	680	679	676	667	659	657	658	663	665	655	657	655	653	651	651	665	670	676	676	667	0	3 51	682	18 36	648	34
12				677	679	682	685	683	684	685	682	679	678	676	671	668	670	673	675	677	676	669	654	661	667	669	669	675	1	3 53	690	19 50	645	45
13				668	668	671	668	672	685	677	676	678	673	675	678	670	657	660	662	659	669	665	670	676	669	663	666	670	1	5 40	692	13 15	651	41
14				678	677	670	670	684	674	673	677	683	682	680	675	668	665	657	656	656	665	661	669	676	676	676	675	672	0	4 35	693	15 31	654	39
15				673	678	677	680	678	669	666	670	670	666	664	664	658	656	649	641	622	622	621	609	623	647	653	652	654	1	3 49	688	19 24	604	84
16	✓			665	660	657	656	672	661	666	665	650	653	657	658	651	639	632	640	649	657	660	663	665	664	662	664	657	0	4 13	679	14 10	628	51
17				666	669	669	671	674	675	675	675	669	668	675	676	672	665	662	652	659	660	660	656	661	661	664	666	667	1	10 48	677	15 41	649	28
18			✓	687	675	673	676	682	693	681	666	643	638	639	636	633	611	605	598	606	627	638	645	651	647	640	633	647	1	5 03	707	15 59	593	114
19			✓	644	646	653	656	651	646	651	643	639	643	643	643	650	635	627	626	638	626	625	617	630	632	631	638	639	1	3 30	659	19 30	613	46
20			✓	659	674	652	657	660	669	665	639	652	651	642	639	632	619	611	604	613	632	638	635	629	617	612	627	639	1	0 56	707	15 05	603	104
21			✓	636	665	669	663	650	646	646	637	635	623	622	629	629	629	621	622	602	613	625	615	617	608	616	630	631	1	2 46	681	16 37	591	90
22			✓	634	647	656	662	672	656	638	641	636	637	630	595	601	623	596	604	608	598	610	622	615	617	650	639	629	1	2 55	690	11 59	581	109
23				627	645	646	649	641	643	637	629	633	634	622	619	612	591	616	614	621	633	642	641	649	657	654	650	634	1	21 49	672	13 36	586	86
24				637	656	643	643	646	641	655	652	654	645	643	636	626	616	612	622	624	639	635	640	645	656	652	653	640	1	1 14	662	14 03	605	57
25				657	657	655	655	657	659	663	661	653	652	649	644	637	632	634	638	649	659	662	649	642	648	652	656	651	1	6 53	666	13 05	630	36
26	✓	✓		657	669	667	663	662	664	669	672	668	656	645	641	641	638	641	642	648	657	662	665	665	666	669	668	658	0	7 48	673	13 40	635	38
27	✓			666	668	668	669	670	671	673	678	681	682	674	657	649	648	646	651	657	662	663	667	668	668	668	670	666	0	9 15	683	14 08	645	38
28	✓			673	682	678	677	677	676	678	685	693	692	686	679	658	648	645	647	650	655	665	669	669	665	663	670	670	1	8 59	693	14 25	643	50
29	✓	✓		674	666	663	664	663	666	669	671	677	674	664	655	647	649	648	655	663	670	671	670	670	672	670	671	665	0	0 40	681	12 20	645	36
30				671	672	674	675	676	677	677	680	683	680	674	668	664	651	643	650	648	657	666	669	672	680	677	675	669	0	8 56	686	14 34	641	45
31																																		
MEANS ALL DAYS				664	668	668	668	670	669	669	668	666	663	660	656	651	646	644	646	648	654	657	656	658	659	661	662	660						51
MEANS TEN DAYS ✱				669	671	671	670	673	672	673	675	674	671	665	661	655	652	653	657	662	666	669	670	670	669	669	670	667						36
MEANS FIVE DAYS † (G. M. T.)				672	675	676	676	677	678	678	673 681	672 680	668	663	662	657	655	656	659	663	666	669	671	672	673	673	672	669						
MEANS FIVE DAYS ‡ (G. M. T.)				640	655	655	657	655	652	647	638	641	638	635	628	629	623	612	611	613	619	627	627	628	624	630	633	634						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 46

HORIZONTAL INTENSITY

23981 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1936 — MAY 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓			675	676	677	679	679	681	680	676	681	689	675	670	660	646	641	646	653	664	667	663	663	664	670	671	669	0	9	20	691	14	21	638	53
2	✓			673	673	675	676	679	679	681	685	691	690	681	678	679	674	663	661	670	674	675	671	666	663	667	676	675	0	8	59	694	15	05	659	35
3	✓			669	672	674	676	674	677	679	685	690	689	677	670	663	662	667	674	679	682	683	683	684	683	682	681	677	0	9	01	692	13	17	659	33
4				681	682	685	686	687	687	691	699	704	700	692	679	674	666	668	670	679	684	684	681	682	674	660	655	681	1	8	46	705	23	08	645	60
5				664	669	676	667	670	687	676	674	676	678	670	667	662	660	656	651	659	667	664	662	664	664	666	678	668	0	5	35	695	15	17	650	45
6	✓			674	674	673	674	677	676	678	686	688	683	677	674	669	661	659	663	669	679	679	683	682	677	677	678	675	0	8	00	689	14	24	656	33
7	✓	✓		677	681	683	682	681	682	682	683	683	676	671	668	674	679	678	681	681	679	681	678	680	682	681	681	679	0	8	15	684	11	40	666	18
8	✓	✓		681	682	683	683	685	683	683	687	685	676	666	658	659	666	667	668	673	678	681	681	681	679	679	679	677	0	7	20	688	12	09	656	32
9	✓	✓		679	682	684	684	684	683	685	685	683	679	669	655	653	654	657	665	675	683	685	686	685	685	685	686	677	0	19	00	687	11	50	652	35
10				684	685	686	687	689	690	692	697	702	699	689	678	673	667	666	669	664	691	691	683	668	672	681	683	684	0	8	40	702	14	20	665	37
11			✓	684	680	686	682	667	673	683	695	706	703	696	689	682	681	678	685	680	678	687	690	688	681	673	674	684	1	8	47	709	4	31	664	45
12			✓	679	681	683	683	685	687	688	689	688	690	680	670	655	633	637	638	623	649	663	657	654	655	663	672	667	1	9	30	693	16	30	608	85
13				670	673	674	682	671	662	663	668	656	654	651	642	638	640	645	651	663	667	667	675	675	675	674	674	663	1	3	22	689	12	30	634	55
14				677	679	678	680	680	679	679	681	685	681	671	662	656	659	660	663	666	668	664	664	665	664	675	662	671	1	8	40	686	12	48	654	32
15				662	667	676	675	672	670	670	674	680	672	678	672	658	657	653	650	643	651	660	662	666	672	672	673	666	1	2	44	691	16	50	633	58
16				675	675	678	681	680	685	688	687	688	682	657	656	653	633	636	646	636	641	640	650	631	634	636	645	659	1	6	16	691	20	47	620	71
17				648	658	653	662	664	658	657	659	672	674	672	667	670	658	636	636	639	662	661	661	663	660	662	664	659	1	10	00	677	14	27	628	49
18			✓	668	668	669	670	672	675	677	672	661	664	672	662	663	661	642	619	620	645	657	657	651	660	660	653	659	1	6	35	681	16	08	606	75
19			✓	659	658	669	672	671	675	669	662	667	660	647	641	628	614	612	633	637	650	643	634	667	654	649	666	652	1	20	20	705	14	35	608	97
20				660	658	662	670	675	665	665	664	662	660	657	647	640	641	636	646	638	646	663	668	669	666	686	676	659	1	22	50	701	16	38	629	72
21				666	667	680	670	668	667	668	670	677	677	670	659	645	636	624	638	649	663	663	666	665	669	678	674	663	1	2	18	687	14	15	614	73
22	✓			670	675	677	676	673	676	677	682	684	679	676	675	671	666	658	660	667	671	669	674	671	669	678	672	673	0	8	21	685	15	00	656	29
23	✓	✓		672	673	674	675	677	677	675	678	682	680	674	666	653	655	661	667	676	680	680	677	676	677	678	678	673	0	8	32	683	12	52	650	33
24	✓	✓		676	677	679	682	682	683	683	684	689	690	687	676	664	658	658	665	673	679	679	681	681	682	682	682	678	0	9	00	691	13	59	657	34
25				682	681	682	681	681	684	686	691	694	696	693	686	677	674	673	674	681	685	688	686	684	685	684	687	684	0	9	22	697	15	00	671	26
26				688	686	686	686	683	683	686	690	691	690	689	679	670	668	670	675	678	668	654	647	643	652	668	665	675	1	9	48	692	20	55	639	53
27				663	674	677	674	670	669	671	679	688	692	690	682	666	664	665	670	663	657	655	666	670	674	675	674	672	0	9	23	693	18	30	651	42
28				674	679	682	680	680	679	680	688	693	696	701	695	684	668	668	670	677	681	682	680	680	675	680	682	681	1	10	10	702	13	39	665	37
29			✓	683	678	678	678	682	684	685	688	694	698	693	685	678	673	672	678	684	672	658	652	625	621	638	650	672	1	9	20	698	21	33	613	85
30				658	661	666	667	666	682	679	668	674	676	673	663	660	651	642	641	656	662	665	664	667	664	664	666	664	1	5	47	698	15	24	638	60
31				667	675	689	692	694	694	699	697	696	689	681	680	675	667	658	658	665	671	672	672	671	673	674	675	678	1	7	15	705	14	41	654	51
MEANS ALL DAYS				672	674	677	678	677	678	679	681	684	683	677	669	663	658	655	658	662	669	670	669	668	668	671	672	671								50
MEANS TEN DAYS ✲				675	676	678	679	679	680	680	683	686	683	675	669	664	662	661	665	672	677	678	678	677	676	678	678	675								34
MEANS FIVE DAYS † (G. M. T.)				680	681	683	683	684	685	686	683 689	684 691	680	673	665	661	662	664	669	676	680	681	681	681	681	681	681	678								
MEANS FIVE DAYS ‡ (G. M. T.)				665	666	671	675	674	674	673	670	683	683	678	669	661	652	648	651	649	659	662	658	657	654	657	663	665								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 47

HORIZONTAL INTENSITY

23981 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1936 — JUNE 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	675	677	680	685	685	683	682	686	691	694	693	689	690	686	681	673	665	656	639	640	654	656	659	661	674	1	12 20	695	19 15	627	68
2			✓	665	669	673	673	672	678	675	677	680	687	695	689	673	657	660	672	675	674	680	686	679	679	679	681	676	1	10 27	697	14 47	652	45
3				681	680	675	677	665	658	655	664	681	678	675	668	657	652	651	647	648	655	653	658	655	658	661	663	663	1	1 04	694	15 50	643	51
4				663	668	671	673	672	673	672	680	689	689	690	687	683	674	668	671	675	678	679	674	673	669	669	677	676	0	9 59	692	0 14	662	30
5	✓	✓		672	673	675	677	677	677	676	682	682	676	668	664	658	656	662	666	663	669	674	678	671	669	674	674	671	0	7 40	685	13 20	653	32
6	✓	✓		675	677	677	679	679	681	681	683	687	692	692	688	683	676	671	670	678	685	687	688	687	684	680	682	682	0	10 01	694	14 56	669	25
7				683	684	685	686	685	685	686	688	688	684	680	674	672	672	673	679	683	685	676	678	683	686	688	689	682	0	23 50	691	13 23	671	20
8				689	688	690	691	693	694	691	693	694	690	686	685	683	684	681	674	676	680	685	682	678	677	672	678	685	0	5 55	696	22 33	668	28
9			✓	679	676	673	674	679	679	692	707	709	707	704	674	651	663	646	625	606	601	610	644	660	635	625	636	661	1	7 10	718	18 16	597	121
10			✓	646	658	660	660	665	668	671	668	675	680	678	664	671	658	653	663	667	673	665	654	659	659	662	666	664	1	10 22	682	0 14	625	57
11				668	669	664	683	675	670	669	668	672	664	661	662	663	661	660	668	673	670	667	670	665	670	670	665	668	1	3 34	693	11 39	654	39
12				671	670	673	674	675	676	678	679	676	677	672	665	658	655	654	644	659	664	673	675	674	673	672	673	669	0	7 56	681	15 18	638	43
13				673	674	675	678	678	684	684	682	681	680	671	674	668	660	667	667	674	680	679	679	677	675	669	672	675	0	6 20	687	13 24	655	32
14				679	682	676	690	682	682	679	681	684	682	669	659	663	646	646	641	656	657	665	670	665	667	669	673	669	0	3 06	696	15 24	628	68
15				669	678	682	674	672	673	665	672	678	676	658	652	655	651	652	653	650	645	666	672	672	672	671	674	666	1	2 21	686	17 00	636	50
16				669	683	683	677	677	669	672	675	673	673	675	672	666	653	659	664	660	669	664	655	663	667	665	666	669	1	1 29	691	13 20	648	43
17				671	674	677	689	680	681	676	680	676	679	676	672	667	657	653	654	665	676	680	678	673	672	674	675	673	1	3 29	697	14 05	650	47
18				673	674	677	679	679	679	678	676	675	679	676	668	663	662	662	670	678	683	686	678	676	678	679	681	675	1	17 44	691	13 58	660	31
19			✓	681	685	689	689	686	682	681	676	697	699	640	587	558	578	542	542	529	520	523	520	537	568	593	601	613	2	9 35	712	19 19	505	207
20				612	615	627	633	639	638	639	642	642	655	659	648	652	654	654	638	646	648	651	653	652	651	649	648	644	1	12 57	677	0 42	607	70
21	✓			651	654	655	654	653	654	656	661	664	663	659	655	653	653	654	659	665	668	666	668	667	669	666	663	660	0	21 48	669	0 04	648	21
22	✓			663	665	668	671	673	676	677	677	678	679	681	677	664	657	659	664	666	668	670	673	673	671	670	668	670	0	10 50	682	13 22	655	27
23	✓	✓		671	667	668	672	672	673	675	679	686	688	681	678	674	665	658	664	667	671	673	671	672	671	671	671	672	0	9 08	689	14 10	656	33
24				672	673	672	673	677	679	680	684	686	687	682	678	679	678	675	677	679	684	685	686	683	679	682	683	680	0	17 58	688	21 59	669	19
25	✓			678	672	671	676	680	685	688	690	690	684	679	673	671	672	669	671	675	680	680	680	681	681	681	681	679	0	8 55	692	14 56	668	24
26				682	683	683	684	686	686	686	689	693	693	691	697	697	690	684	678	684	681	683	686	685	686	681	673	686	0	11 50	700	23 05	667	33
27	✓			677	678	680	680	675	674	671	670	670	668	673	673	673	667	659	659	669	675	675	677	676	675	674	675	673	0	2 54	685	15 06	654	31
28	✓			676	677	678	680	680	682	685	686	688	690	687	678	672	670	670	671	679	685	688	687	686	685	684	684	681	0	9 19	692	12 58	666	26
29	✓	✓		686	686	688	688	688	692	693	694	695	694	692	689	687	687	687	686	687	691	690	690	688	686	685	687	689	0	8 05	697	0 02	684	13
30	✓	✓		686	683	686	684	682	681	684	688	690	686	682	686	687	677	675	677	684	690	688	685	682	680	682	683	684	0	7 50	691	14 58	674	17
31																																		
MEANS ALL DAYS				671	673	674	677	676	676	677	679	682	682	678	671	666	662	660	660	663	665	667	668	668	668	669	670	671						45
MEANS TEN DAYS ✲				674	673	675	676	676	678	679	681	683	682	679	676	672	668	666	669	673	678	679	680	678	677	677	677	676						25
MEANS FIVE DAYS † (G. M. T.)				680	680	680	680	681	682	683	685 687	688 689	687	683	681	678	672	671	673	675	681	682	682	680	678	678	679	680						
MEANS FIVE DAYS ‡ (G. M. T.)				654	658	660	665	663	662	662	664	690	693	682	661	649	648	636	635	628	625	623	629	638	639	644	649	652						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 48

HORIZONTAL INTENSITY

23981 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1936 — JULY 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				683	682	682	679	684	685	686	691	692	690	682	677	681	682	681	684	687	693	693	687	686	685	682	683	685	0	17 50	696	11 35	676	20
2			✓	686	688	687	690	690	695	699	702	710	717	716	712	700	671	669	661	636	616	582	541	535	548	561	590	654	2	10 11	721	20 42	523	198
3				608	611	614	632	633	635	641	643	640	646	660	659	643	635	632	636	646	656	651	648	648	646	650	655	640	0	11 05	664	0 22	603	61
4	✓			656	658	660	660	662	664	667	671	672	670	668	662	655	651	650	653	662	663	669	671	670	667	667	671	663	0	23 47	674	13 55	650	24
5				672	672	672	674	679	678	676	680	679	679	684	684	680	671	668	660	662	660	633	625	624	635	644	655	664	1	10 50	695	19 01	621	74
6			✓	658	656	676	670	668	670	672	665	661	668	676	673	664	654	646	655	663	670	669	645	620	634	627	632	658	1	2 15	681	20 28	600	81
7				650	651	645	648	653	654	661	656	663	653	659	656	658	656	653	655	657	643	640	657	657	669	668	668	655	1	21 29	677	18 30	636	41
8				668	668	676	673	669	671	676	681	681	688	690	684	677	667	664	667	670	672	672	671	672	672	669	669	674	0	10 03	691	14 23	660	31
9				669	668	670	668	673	676	675	676	681	684	684	679	673	664	659	659	663	671	676	677	678	676	671	670	672	0	9 21	685	15 10	657	28
10			✓	680	674	675	674	674	675	680	685	684	686	689	688	680	658	658	667	668	676	676	670	662	663	663	668	674	1	12 10	692	14 30	653	39
11			✓	651	655	664	658	671	671	665	664	655	648	638	638	648	647	637	632	632	623	634	632	628	631	643	649	646	1	5 07	686	17 35	615	71
12				661	658	656	660	660	660	660	665	675	675	674	683	684	677	673	669	670	678	676	673	670	669	668	668	669	0	11 58	688	2 00	641	47
13				670	671	678	679	675	678	692	688	675	674	666	652	635	638	649	656	660	659	651	665	669	659	660	667	665	0	6 11	694	12 36	629	65
14	✓	✓		667	666	667	669	671	673	675	674	674	677	675	671	663	657	651	656	667	675	676	675	673	673	673	675	670	0	23 59	681	14 51	647	34
15		✓		678	675	678	677	675	675	678	682	682	680	685	683	671	664	654	655	665	672	677	674	676	678	678	678	675	0	11 00	687	14 26	651	36
16				678	678	678	678	679	681	681	684	691	697	680	660	658	648	654	664	667	670	673	672	669	671	672	670	673	0	9 51	701	13 38	643	58
17				671	676	684	680	682	686	692	695	697	687	672	678	680	677	674	671	669	672	672	666	674	673	672	672	678	0	7 49	698	19 30	661	37
18				672	679	681	689	686	691	699	715	704	709	712	711	693	679	676	667	667	679	684	683	680	676	678	678	687	0	11 28	724	15 32	663	61
19	✓			678	679	681	679	683	685	688	686	683	679	674	675	674	674	670	665	663	670	678	680	678	677	680	679	677	0	7 00	691	16 19	663	28
20	✓			679	680	680	681	683	681	682	684	685	681	684	685	682	667	669	663	662	671	677	676	674	676	673	670	677	0	11 45	687	16 28	659	28
21	✓	✓		671	673	673	673	676	679	681	687	692	691	687	683	682	680	676	671	669	678	682	683	683	682	682	681	680	0	8 42	692	16 13	667	25
22	✓			680	679	679	679	680	682	684	689	693	694	691	690	688	686	678	668	667	677	683	682	682	681	678	677	682	0	9 10	695	16 15	665	30
23	✓	✓		678	679	680	681	682	682	683	687	690	694	699	697	693	689	680	675	677	680	681	679	681	681	682	682	684	0	10 34	699	15 20	674	25
24	✓	✓		683	682	683	684	685	686	689	692	693	690	690	683	682	685	684	678	676	681	681	681	680	679	679	681	684	0	8 00	694	16 10	675	19
25	✓			683	683	685	685	689	692	694	698	699	702	704	703	693	691	688	682	680	684	685	674	669	671	675	679	687	0	11 19	705	20 25	667	38
26	✓			681	683	683	684	683	685	690	691	691	687	689	687	682	678	675	675	675	680	684	684	683	683	681	681	683	0	7 00	693	14 37	674	19
27				681	682	684	684	685	686	688	693	698	698	699	701	694	685	678	680	678	680	681	682	681	682	678	672	685	0	11 00	701	23 34	671	30
28				674	677	686	685	687	684	683	687	683	691	688	681	685	679	675	673	677	682	682	685	687	687	686	680	683	0	9 44	696	15 52	671	25
29			✓	681	682	687	687	685	685	689	699	707	713	712	704	696	681	685	689	690	672	662	657	656	633	638	630	680	1	9 32	715	22 57	620	95
30				635	649	677	656	660	668	672	672	671	663	659	656	638	644	638	633	639	660	665	661	661	665	667	668	657	0	2 18	689	0 18	626	63
31				668	670	671	672	673	674	676	680	687	687	686	685	679	668	663	663	668	667	661	671	671	672	669	674	673	0	8 45	687	18 30	659	28
MEANS ALL DAYS				669	670	674	674	675	677	680	683	683	684	683	680	675	668	665	664	666	669	668	665	664	664	665	667	672						47
MEANS TEN DAYS ✲				676	676	677	678	679	681	683	686	687	686	686	684	679	676	672	669	670	676	680	678	677	677	677	678	679						27
MEANS FIVE DAYS † (G. M. T.)				680	679	681	681	682	683	685	684 689	686 692	686	687	683	678	675	669	667	671	677	679	678	679	679	679	679	680						
MEANS FIVE DAYS ‡ (G. M. T.)				641	645	651	651	655	658	660	660	683	686	686	683	678	662	659	661	658	651	645	629	620	622	626	634	654						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 49

HORIZONTAL INTENSITY

23981 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				672	680	679	680	679	679	680	683	687	674	670	675	672	669	653	650	661	670	675	675	674	673	672	673	673	0	8 30	689	15 40	648	41
2				677	675	676	676	678	679	682	682	682	680	680	675	667	663	665	667	675	684	687	686	685	684	683	681	678	0	18 10	687	13 30	661	26
3				680	683	684	684	683	680	689	694	700	698	690	684	680	676	672	668	674	683	687	688	686	681	681	678	683	0	9 00	701	15 28	667	34
4				679	683	684	684	688	691	691	692	693	686	686	675	664	671	678	679	674	677	675	676	675	677	679	679	681	0	8 13	695	11 58	662	33
5			✓	681	682	683	685	685	687	691	692	693	694	695	689	690	686	674	670	670	679	679	669	658	669	660	658	680	0	10 42	697	23 14	653	44
6				665	671	672	677	686	680	679	682	680	681	676	674	668	669	650	662	670	672	671	666	663	662	667	671	671	0	4 13	690	14 18	643	47
7	✓	✓		675	676	677	679	676	679	680	687	698	705	706	703	697	691	682	675	680	686	688	688	688	687	686	686	686	0	9 54	707	0 46	673	34
8			✓	685	685	686	688	688	689	690	692	694	695	689	682	678	672	665	659	669	678	680	682	682	676	673	674	681	0	9 06	697	15 20	657	40
9				677	680	683	680	677	681	681	688	697	696	690	681	676	671	658	657	665	668	665	662	654	657	660	659	673	0	8 50	700	20 20	653	47
10			✓	670	670	670	676	679	676	678	677	684	685	679	669	657	646	649	646	641	652	653	661	648	649	660	665	664	0	9 11	687	16 10	636	51
11	✓	✓		675	676	677	677	678	680	684	688	691	689	688	679	675	669	671	674	674	674	677	681	679	677	675	675	678	0	8 40	691	13 46	667	24
12				677	679	685	682	682	684	685	688	688	685	679	671	666	670	674	676	678	680	683	687	688	687	687	682	681	0	22 20	691	12 24	663	28
13	✓			685	684	683	684	687	687	688	695	701	696	688	679	677	678	675	665	660	668	676	677	675	673	674	676	680	0	8 09	702	16 10	657	45
14				678	683	684	684	684	688	689	696	700	697	691	686	685	684	679	680	687	692	694	694	693	690	690	687	688	0	8 16	701	15 20	676	25
15				685	687	687	688	692	693	698	702	701	696	694	689	679	668	660	668	674	681	684	685	685	680	678	681	685	0	7 47	703	14 30	657	46
16				682	684	685	684	684	684	687	692	692	685	684	679	673	665	663	671	676	682	685	685	685	684	684	684	682	0	7 55	693	14 15	661	32
17	✓			682	687	684	682	685	685	685	688	690	688	680	674	667	661	653	655	665	676	682	681	680	681	681	682	678	0	8 56	692	14 52	651	41
18	✓	✓		682	684	685	682	681	684	687	690	691	688	683	676	669	665	662	667	671	677	682	685	683	682	683	683	680	0	8 20	691	13 59	656	35
19	✓	✓		684	686	686	688	689	690	692	699	705	702	698	689	677	675	680	685	691	695	696	695	695	692	690	687	690	0	8 30	705	13 00	673	32
20				686	689	689	690	692	695	697	700	700	697	691	687	683	679	678	683	691	693	692	693	692	690	687	681	690	0	8 27	701	13 56	677	24
21	✓			680	680	682	685	693	694	687	690	690	691	687	681	676	677	674	672	671	676	679	677	679	680	681	683	682	0	4 54	700	16 39	670	30
22	✓			685	687	688	689	691	694	697	702	702	697	693	688	685	683	674	668	668	672	680	681	682	684	685	687	686	0	7 55	703	16 08	667	36
23	✓	✓		688	685	688	686	684	686	690	693	696	697	695	697	697	694	684	674	674	682	686	685	685	684	684	683	687	0	12 05	699	16 02	671	28
24	✓			687	688	688	691	691	691	694	699	700	700	697	690	686	681	680	685	690	694	695	693	691	690	688	686	691	0	8 53	701	13 54	679	22
25				686	688	691	693	691	692	695	696	699	700	697	694	698	697	690	687	691	697	700	700	701	701	700	700	695	0	20 46	702	15 28	685	17
26				697	698	699	700	697	697	703	708	711	717	714	707	699	689	682	680	686	692	694	691	690	691	692	691	697	0	9 59	720	15 08	680	40
27				691	694	697	700	699	700	702	703	697	691	693	692	690	689	690	699	699	696	689	675	668	666	674	680	691	0	7 26	704	21 14	661	43
28				685	688	689	690	691	692	696	699	698	695	694	690	676	679	675	668	675	686	689	689	689	688	688	689	687	0	8 00	699	15 25	666	33
29				692	694	696	694	695	696	701	704	702	690	686	680	674	673	674	680	684	690	694	693	693	691	690	690	690	0	8 03	705	13 54	669	36
30			✓	691	696	693	696	695	698	702	707	701	687	680	674	678	677	673	676	676	675	679	680	680	681	679	675	685	0	7 20	709	16 35	669	40
31				679	681	687	681	696	689	689	687	681	683	677	663	656	663	667	668	673	675	678	679	680	679	682	682	678	0	4 35	701	11 55	647	54
MEANS ALL DAYS				682	684	685	686	687	688	690	693	695	692	689	683	678	675	671	671	675	681	683	683	681	680	680	680	683						36
MEANS TEN DAYS ✱				682	683	684	684	686	687	688	693	696	695	692	686	681	677	674	672	674	680	684	684	684	683	683	683	684						33
MEANS FIVE DAYS † (G. M. T.)				684	685	687	688	688	690	692	691 696	696 697	696	694	689	683	679	676	675	678	683	686	687	686	684	684	683	686						
MEANS FIVE DAYS ‡ (G. M. T.)				674	677	679	679	683	682	683	686	690	688	684	678	674	670	662	663	665	671	672	672	666	667	668	669	675						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 50

HORIZONTAL INTENSITY

23981 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1936 — SEPTEMBER 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			682	683	685	685	683	683	688	691	689	685	680	678	669	657	651	660	671	680	684	686	686	684	685	685	680	0	8 00	692	13 54	650	42
2				685	687	688	688	688	690	691	694	693	690	689	697	688	673	663	666	671	674	674	678	683	683	677	678	683	0	11 36	698	14 50	662	36
3	✓	✓		681	685	687	688	690	691	693	696	700	700	695	690	683	685	681	678	680	681	687	688	688	688	688	687	688	0	8 50	702	15 40	678	24
4				688	688	689	691	693	694	697	702	706	701	694	691	687	676	672	681	680	677	685	691	690	690	691	690	689	0	8 26	708	14 07	666	42
5				687	687	688	692	696	695	700	703	707	705	692	690	682	675	667	669	674	677	682	684	686	686	686	686	687	0	9 02	708	14 59	664	44
6	✓			684	684	684	686	688	691	696	702	704	701	695	694	687	685	679	676	677	678	682	685	687	687	687	687	688	0	8 54	705	16 10	676	29
7	✓	✓		688	688	689	690	691	693	698	709	717	720	717	713	707	698	685	679	678	683	689	688	689	690	691	691	695	0	9 10	721	16 05	675	46
8				690	692	693	694	696	697	699	700	705	706	714	719	713	698	683	677	671	673	676	687	688	687	688	686	693	0	11 25	721	16 45	666	55
9				689	686	685	686	686	687	689	698	702	699	700	693	680	669	669	667	680	669	663	660	671	671	663	670	680	1	8 31	703	18 33	654	49
10				680	681	687	687	686	686	690	698	701	698	689	683	668	661	662	671	679	684	681	675	673	669	664	662	680	0	8 16	702	13 35	661	41
11			✓	667	677	677	677	678	679	683	688	685	682	678	682	677	672	670	671	680	679	662	660	664	657	649	679	674	1	7 42	690	22 40	646	44
12				653	654	661	664	666	666	669	673	678	676	675	665	656	653	653	656	664	670	673	677	678	678	678	678	667	0	23 17	680	0 40	649	31
13	✓	✓		681	684	681	682	682	679	683	687	685	676	666	663	666	673	679	680	682	685	688	688	688	688	687	685	681	0	0 55	690	11 15	663	27
14	✓			685	686	685	688	688	688	691	695	696	692	692	688	675	669	667	670	679	681	683	685	685	686	687	688	685	0	8 06	697	14 40	666	31
15				680	682	685	688	691	693	696	697	693	695	694	692	683	677	672	675	682	686	684	675	673	674	671	674	684	0	7 20	699	22 24	669	30
16	✓	✓		676	685	685	683	685	687	693	699	695	689	679	672	660	656	665	671	682	687	689	689	689	689	689	690	683	0	7 25	699	13 06	654	45
17				690	690	690	694	694	695	699	700	694	685	678	678	676	675	678	684	688	690	692	695	695	695	695	694	689	0	7 16	700	13 08	673	27
18				693	693	695	696	698	701	708	708	703	695	688	685	681	680	688	688	680	670	666	674	678	687	688	687	689	0	7 21	709	18 28	665	44
19	✓			683	685	687	692	696	701	704	704	704	701	697	691	678	667	667	674	683	689	693	695	695	695	695	696	690	0	7 00	708	13 41	662	46
20	✓			695	697	699	700	704	707	714	721	718	712	709	704	693	681	677	677	680	687	691	691	694	694	692	689	697	0	7 48	723	14 56	675	48
21				687	691	694	698	701	704	707	707	708	708	707	707	703	698	694	690	695	699	698	704	703	699	699	698	700	0	6 42	709	0 12	685	24
22				697	696	698	698	700	704	708	714	713	716	714	705	699	693	685	689	697	702	698	692	694	694	695	698	700	0	9 22	719	14 53	680	39
23			✓	698	698	700	702	703	704	715	717	714	715	710	703	697	688	672	662	679	673	674	674	667	659	657	665	689	1	9 45	722	15 12	648	74
24				672	674	675	677	679	682	683	683	683	683	677	675	671	671	669	665	668	671	674	674	674	678	681	681	676	0	7 00	685	15 41	662	23
25	✓	✓		682	684	686	687	687	688	686	683	680	687	692	695	697	694	687	685	687	689	692	692	690	691	691	691	688	0	12 43	699	8 15	679	20
26			✓	692	692	693	695	696	696	697	698	688	696	704	695	681	674	673	659	652	651	653	637	622	615	627	642	672	1	10 14	707	21 46	608	99
27			✓	641	676	652	658	661	661	663	670	671	670	670	664	659	669	673	677	686	694	693	687	686	688	689	688	673	0	18 12	696	0 30	637	59
28				687	685	688	691	693	692	694	695	697	694	685	674	670	674	680	683	688	688	688	683	675	684	685	683	686	0	8 50	699	12 35	668	31
29			✓	686	689	690	691	692	689	691	691	688	687	677	686	691	677	677	674	671	670	677	671	652	648	673	678	680	1	7 20	698	20 59	644	54
30				673	677	679	686	684	684	689	693	693	686	674	666	667	669	673	681	685	686	686	686	691	681	682	684	681	0	7 39	695	12 02	664	31
31																																		
MEANS ALL DAYS				682	685	686	688	689	690	694	697	697	695	691	688	681	676	674	674	679	681	682	682	681	680	681	683	685						41
MEANS TEN DAYS ✲				684	686	687	688	689	691	695	699	699	696	692	689	682	676	674	675	680	684	688	689	689	689	689	689	687						36
MEANS FIVE DAYS † (G. M. T.)				689	690	690	692	693	694	697	695 699	695 698	694	690	687	683	681	679	679	682	685	689	689	689	689	689	689	689						
MEANS FIVE DAYS ‡ (G. M. T.)				665	673	671	675	677	677	680	683	689	690	688	686	681	676	673	669	674	673	672	666	658	653	659	670	674						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
☐ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 51

HORIZONTAL INTENSITY

23981 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1936

OCTOBER 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			687	687	688	689	690	689	686	686	681	687	687	679	677	674	673	669	668	669	674	684	684	685	684	685	682	0	10 16	691	15 34	666	25
2	✓	✓		686	687	692	691	686	689	691	697	695	691	679	670	667	665	674	683	690	691	691	689	685	685	684	684	685	0	7 21	697	13 06	661	36
3	✓	✓		692	692	691	693	693	692	693	693	690	690	684	686	690	692	695	695	694	692	691	690	691	692	690	688	691	0	0 50	700	10 54	682	18
4	✓			685	687	689	692	692	693	693	690	686	677	672	676	680	684	687	690	692	691	695	698	698	697	698	698	689	0	20 26	700	10 15	671	29
5				700	700	702	702	702	702	703	697	695	695	692	685	682	678	681	690	695	699	702	704	698	696	694	692	695	0	19 41	706	13 50	677	29
6				686	679	676	681	676	690	685	683	679	670	665	661	651	646	650	662	668	671	663	659	672	679	681	685	672	0	5 38	698	13 25	644	54
7				681	681	679	682	689	684	682	690	689	692	687	677	666	663	668	681	676	670	666	665	676	686	690	690	680	1	22 30	693	14 04	660	33
8				682	682	682	687	698	693	695	691	684	669	650	633	645	651	665	671	672	679	679	682	681	680	675	683	675	1	4 34	708	11 23	630	78
9				680	676	681	687	685	686	691	692	690	691	690	679	679	682	681	686	682	681	690	675	668	666	672	682	682	1	15 32	700	20 00	660	40
10			✓	674	677	677	690	683	684	684	685	680	680	674	666	661	661	660	656	650	639	642	646	640	639	650	671	665	1	3 25	696	17 38	625	71
11				663	662	671	670	665	665	664	658	651	649	642	635	634	641	653	667	678	681	683	682	682	683	687	687	665	0	21 35	691	12 53	632	59
12	✓			688	688	692	693	694	691	691	686	680	672	663	664	672	683	686	691	688	684	683	687	689	689	686	687	684	0	4 20	695	10 47	661	34
13				688	690	691	691	691	691	694	692	686	677	671	673	682	691	702	705	705	705	704	703	698	698	697	695	692	0	18 46	707	10 54	670	37
14				693	692	692	695	697	699	698	695	685	672	658	650	660	672	679	688	692	699	703	702	688	674	663	665	684	0	19 06	707	11 33	648	59
15				674	679	685	688	691	693	696	699	696	679	670	684	691	687	698	686	676	671	683	688	688	690	686	691	686	1	8 00	704	10 30	666	38
16			✓	692	691	695	695	692	696	696	704	694	685	669	658	652	653	665	671	669	676	680	684	679	683	686	699	682	1	23 04	712	12 39	650	62
17			✓	693	710	682	667	655	660	667	665	629	624	616	605	598	597	609	622	611	621	631	626	650	644	641	652	641	1	1 33	718	13 13	591	127
18				657	659	664	677	680	678	677	682	673	666	656	651	643	653	653	659	669	673	669	670	668	668	670	672	666	0	17 43	691	14 56	637	54
19				675	675	675	674	678	680	682	682	679	675	674	675	672	667	671	676	677	676	678	680	674	664	667	679	675	0	19 52	684	21 52	662	22
20				681	680	683	686	694	687	690	689	678	653	653	662	668	670	671	671	672	673	675	676	679	679	672	684	676	0	4 40	696	9 53	645	51
21	✓			684	676	677	676	678	683	691	692	684	681	684	686	680	674	671	670	673	675	673	674	676	673	672	673	678	0	7 03	694	15 25	669	25
22	✓	✓		678	682	685	687	689	692	698	698	691	682	679	677	674	673	674	680	686	692	694	694	694	692	691	690	686	0	6 47	699	12 41	671	28
23				691	692	695	694	695	697	701	704	706	708	705	700	693	691	690	693	696	701	704	702	704	703	698	695	698	0	9 52	709	14 30	689	20
24			✓	694	694	694	717	698	696	708	706	695	681	669	666	663	674	684	690	691	691	677	669	654	658	674	684	684	0	3 05	724	20 35	642	82
25				675	683	665	662	666	669	669	671	666	664	666	664	662	671	674	681	685	679	679	682	676	680	681	675	673	1	1 28	699	3 03	657	42
26				678	678	679	680	682	685	688	687	679	673	669	673	681	686	690	692	690	684	680	679	675	683	683	686	682	0	15 22	693	10 23	669	24
27	✓	✓		686	688	689	690	691	693	693	688	676	670	672	673	674	680	689	692	696	695	693	692	692	691	692	692	687	0	16 48	697	9 15	669	28
28	✓	✓		692	693	694	695	697	700	702	701	692	685	692	699	696	694	697	697	698	691	694	693	689	692	693	697	695	0	7 10	703	9 30	684	19
29	✓			698	695	695	696	698	701	707	710	705	696	692	694	694	694	695	695	695	698	701	700	697	696	699	704	696	0	7 44	711	11 10	691	20
30				699	698	699	701	702	705	706	698	683	674	667	668	676	683	694	694	693	693	695	697	697	697	698	697	692	0	6 48	707	10 45	666	41
31			✓	696	698	698	698	698	698	700	697	690	697	711	717	722	719	707	697	704	666	633	615	620	632	624	632	682	1	13 24	728	19 51	581	147
MEANS ALL DAYS				685	686	686	688	688	689	691	691	683	678	673	671	670	673	677	681	682	681	681	680	679	680	680	684	681						46
MEANS TEN DAYS ✲				688	688	689	690	691	692	694	694	688	683	680	680	680	681	684	686	688	688	689	690	690	689	689	690	688						26
MEANS FIVE DAYS † (G. M. T.)				692	692	693	694	695	697	699	695 700	689 696	684	681	681	680	681	686	689	693	692	693	692	690	690	690	690	690						
MEANS FIVE DAYS ‡ (G. M. T.)				667	672	666	666	664	666	666	666	678	673	668	662	659	661	665	667	665	659	653	648	649	651	655	668	663						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE MAGNETIC STORM

[ ] = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 52

HORIZONTAL INTENSITY

23981 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			646	645	647	656	656	656	655	654	647	646	649	652	652	654	655	657	663	667	669	673	670	672	666	665	657	0	19	22	676	1 52	641	35
2				668	667	670	674	673	680	683	679	676	673	667	665	658	659	664	670	675	684	687	688	686	685	695	699	676	0	22	24	714	12 50	656	58
3			✓	700	701	700	699	694	695	704	707	703	699	691	681	665	656	653	658	651	647	654	658	657	645	650	650	676	1	7	03	708	17 05	639	69
4				647	656	678	660	661	665	665	665	662	658	638	651	654	646	646	649	655	660	661	666	668	667	665	662	659	0	2	08	687	10 36	631	56
5				672	674	673	674	677	680	680	674	659	654	649	665	682	680	669	665	672	672	680	681	678	678	677	678	673	0	12	39	686	10 26	647	39
6				680	681	681	681	681	683	687	685	678	669	664	674	679	684	682	687	690	688	684	687	688	683	679	681	682	0	16	00	695	10 38	661	34
7				685	687	688	683	685	683	685	682	680	676	673	676	674	670	666	671	684	686	679	675	680	676	670	674	679	0	2	23	690	14 17	662	28
8				673	677	678	683	680	690	691	690	686	685	687	690	688	676	669	676	680	683	682	684	684	685	686	685	683	0	5	42	696	14 20	664	32
9				690	691	683	682	676	679	682	678	668	663	658	664	672	670	670	664	679	682	682	682	681	681	681	685	677	0	0	06	699	10 00	653	46
10				689	689	687	685	686	689	693	691	681	683	684	688	693	694	698	698	689	694	693	693	697	697	696	696	691	1	15	17	713	8 37	680	33
11			✓	702	713	702	699	701	700	704	701	689	692	695	697	691	683	680	683	687	677	673	671	674	666	673	660	688	1	1	02	728	23 16	658	70
12				670	697	681	678	671	672	690	683	675	670	659	657	666	682	680	679	676	676	674	676	677	679	682	684	676	0	1	05	706	11 59	655	51
13	✓	✓		683	685	681	684	686	691	698	694	683	672	672	676	676	680	685	684	687	689	688	689	689	688	687	687	685	0	7	04	699	10 01	667	32
14	✓			688	688	690	690	692	695	694	683	674	668	661	667	677	684	688	692	694	690	690	694	691	693	697	697	687	0	22	54	700	10 25	660	40
15			✓	701	703	698	697	698	702	705	700	694	686	694	708	714	709	709	696	668	683	688	683	680	683	666	661	693	1	12	32	718	23 18	652	66
16			✓	672	677	681	683	682	683	691	694	696	693	682	686	680	680	673	692	685	685	686	684	680	685	684	685	684	1	6	48	698	0 11	668	30
17				696	689	687	687	683	684	688	687	681	672	669	679	677	674	680	687	683	687	686	686	685	685	693	690	684	1	0	24	702	10 05	664	38
18				689	694	688	689	690	688	697	699	690	677	673	672	682	689	695	693	687	678	684	684	674	680	694	680	686	1	7	00	703	11 08	667	36
19				691	685	683	681	683	679	684	686	684	683	670	664	672	683	690	693	693	694	690	685	709	693	694	693	686	0	20	25	724	11 49	663	61
20	✓			692	694	697	695	698	704	708	709	707	695	686	672	661	660	668	679	684	690	676	674	669	664	669	672	684	0	7	05	711	13 01	656	55
21	✓			677	679	677	681	682	684	685	689	690	685	673	670	674	670	673	678	685	687	689	692	698	697	692	695	683	0	20	56	703	11 00	669	34
22	✓	✓		695	693	694	695	694	695	699	702	705	700	688	674	666	669	673	682	684	689	693	692	696	695	692	693	690	0	8	47	705	12 30	665	40
23	✓	✓		690	692	693	693	693	695	702	707	709	709	698	694	691	693	689	686	688	694	696	695	697	699	697	700	696	0	9	17	710	15 40	685	25
24	✓	✓		700	698	698	697	697	703	710	714	714	712	705	700	697	692	696	701	703	705	702	697	698	698	699	701	702	0	7	38	715	13 14	690	25
25	✓	✓		703	703	703	705	706	711	716	718	712	706	694	684	682	683	691	695	694	699	700	702	700	701	702	702	700	0	7	00	719	13 09	679	40
26				702	702	704	705	706	709	712	712	721	728	719	714	715	712	705	714	717	712	705	705	706	707	707	709	710	0	9	16	728	0 47	701	27
27	✓			705	710	707	702	697	700	705	704	703	703	700	693	686	681	680	682	691	696	696	699	699	698	698	698	697	0	2	03	717	14 15	677	40
28				698	698	700	702	704	710	713	710	709	709	701	697	692	693	698	702	706	706	708	709	711	709	714	717	705	0	23	14	722	12 40	690	32
29			✓	716	710	710	707	709	712	716	715	705	719	745	678	631	644	624	630	615	603	614	637	645	634	638	656	671	2	10	05	760	17 50	569	191
30				639	641	642	642	645	643	647	650	647	640	632	633	638	644	648	656	659	661	663	663	671	671	672	679	651	0	24	00	687	11 25	626	61
31																																			
MEANS ALL DAYS				685	687	687	686	686	689	693	692	688	684	679	677	676	676	677	680	681	682	682	683	685	683	684	684	684							47
MEANS TEN DAYS *				688	689	689	690	690	693	697	697	694	690	683	678	676	677	680	684	687	691	690	691	691	690	690	691	688							37
MEANS FIVE DAYS † (G. M. T.)				697	697	698	698	699	703	707	707 707	705 706	700	691	686	682	683	687	690	691	695	696	695	696	696	695	697	695							
MEANS FIVE DAYS ‡ (G. M. T.)				665	672	674	670	668	669	676	676	697	698	701	690	676	674	668	672	661	659	663	667	667	663	662	662	673							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL DUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 53

HORIZONTAL INTENSITY

23981 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1936

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				685	677	672	672	673	677	687	690	688	690	677	670	666	661	661	663	666	668	666	671	686	679	669	668	674	0	9 02	693	14 27	658	35
2				669	670	673	676	678	677	680	681	673	669	664	666	672	675	673	677	680	691	686	692	693	695	690	689	679	0	17 16	696	10 29	663	33
3				692	690	690	691	692	701	706	714	710	700	682	678	674	677	675	669	668	671	669	676	682	683	679	679	685	0	7 30	718	16 00	666	52
4			✓	685	693	692	687	689	690	694	691	689	691	691	692	711	715	687	696	699	689	692	695	688	681	689	695	693	1	13 12	732	21 35	679	53
5				687	698	694	690	692	698	703	702	689	686	693	700	700	692	685	682	689	692	689	691	692	694	693	695	693	0	7 12	705	14 56	679	26
6				695	697	695	695	696	700	709	706	700	698	702	694	690	687	687	690	696	697	695	692	694	693	691	703	696	0	6 39	713	14 37	684	29
7				694	697	688	691	696	696	697	702	710	710	709	703	691	682	681	681	682	685	688	690	692	692	694	694	694	0	8 50	714	13 55	679	35
8				697	686	689	686	685	688	695	693	694	694	687	681	679	678	681	686	688	688	688	690	691	691	693	694	688	0	0 12	702	14 00	675	27
9	✓	✓		692	692	690	693	691	696	704	706	709	712	705	693	682	684	686	687	692	696	695	694	696	696	700	693	695	0	8 58	714	12 42	680	34
10	✓	✓		693	693	694	692	693	699	706	708	708	709	707	697	691	693	696	696	699	700	702	701	698	693	691	691	698	0	9 51	710	23 20	689	21
11	✓			694	693	693	693	694	700	705	702	704	707	708	703	693	689	690	690	696	695	692	692	692	694	696	695	696	0	10 07	710	14 01	688	22
12			✓	697	704	697	696	698	703	705	699	694	697	702	714	715	717	712	708	704	703	707	703	713	730	718	722	707	1	21 43	739	8 40	692	47
13			✓	718	716	712	709	709	715	723	731	729	724	707	694	683	682	689	689	692	700	693	701	703	705	707	706	706	1	8 06	734	12 26	674	60
14				707	710	710	704	703	704	706	711	717	718	719	706	699	690	690	694	697	685	695	697	697	693	705	699	702	1	9 58	722	17 20	681	41
15				700	704	696	697	699	704	712	714	709	710	708	699	691	694	695	701	696	694	699	699	695	699	701	703	701	0	7 05	715	12 24	690	25
16	✓			702	700	702	702	707	710	716	713	704	703	701	697	695	694	700	696	702	707	707	707	708	706	706	703	704	0	6 38	717	13 42	692	25
17	✓			699	697	699	700	701	707	713	713	699	690	691	685	683	682	687	691	697	699	700	703	705	703	702	705	698	0	7 00	716	13 14	681	35
18	✓			706	704	706	702	700	703	706	703	698	697	693	696	699	697	696	696	693	698	699	701	699	699	697	698	699	0	2 11	711	16 50	692	19
19	✓	✓		696	694	695	696	697	700	707	708	705	702	696	692	701	711	708	704	704	700	699	703	704	704	703	702	701	0	13 30	711	11 15	690	21
20				702	701	704	702	704	708	712	708	704	705	713	721	720	715	706	702	704	703	701	702	698	694	694	697	705	0	11 50	722	22 17	692	30
21				701	702	700	697	706	699	702	696	687	685	684	683	685	686	692	688	690	692	698	700	697	696	713	713	696	0	22 44	724	11 26	680	44
22	✓	✓		714	706	700	699	702	708	713	713	711	710	706	712	711	708	701	696	703	702	699	700	702	702	701	702	705	0	1 38	720	1 50	691	29
23	✓			703	704	702	702	704	705	710	708	704	693	681	686	691	689	685	681	688	699	699	695	698	699	699	701	697	0	6 58	711	10 39	679	32
24	✓	✓		699	700	697	698	693	698	702	703	706	705	698	687	680	668	672	679	689	694	696	695	696	699	698	697	694	0	9 04	709	13 40	667	42
25				695	696	697	696	697	703	711	719	722	722	711	701	697	702	698	700	705	702	704	704	704	704	707	708	704	0	7 50	737	0 47	694	43
26				706	708	711	709	712	712	719	723	722	714	706	700	695	695	701	707	713	713	711	708	709	707	706	706	709	0	7 40	724	13 00	692	32
27			✓	704	707	708	710	712	718	722	724	723	719	718	718	712	706	704	702	698	706	704	697	701	697	689	694	708	1	11 10	727	22 17	686	41
28			✓	702	703	710	693	688	701	701	690	676	656	640	621	616	603	621	634	643	666	648	644	645	654	628	624	659	1	2 12	716	13 20	593	123
29				647	644	640	643	646	651	651	643	631	622	618	626	634	639	645	654	662	666	673	667	665	662	657	658	648	0	19 00	678	10 06	613	65
30				658	658	659	660	662	668	674	675	669	663	655	648	646	651	664	672	683	686	685	680	682	682	680	680	668	0	17 10	689	12 12	644	45
31				683	683	682	677	669	675	688	692	697	699	689	677	671	679	682	692	702	700	691	689	690	689	689	689	686	0	17 12	710	4 45	666	44
MEANS ALL DAYS				694	694	693	692	693	697	703	703	699	697	692	688	686	685	685	687	691	693	693	693	694	694	693	694	693						39
MEANS TEN DAYS ✻				700	698	698	698	698	703	708	708	705	703	699	695	693	692	692	692	696	699	699	699	700	700	699	699	699						28
MEANS FIVE DAYS † (G. M. T.)				697	697	698	697	698	703	709	708 709	708 708	708	702	696	693	693	693	692	697	698	698	699	699	699	699	697	699						
MEANS FIVE DAYS ‡ (G. M. T.)				692	694	693	688	688	694	697	695	702	697	692	688	687	685	683	686	687	693	689	688	690	693	686	688	691						

DECEMBER 1936

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

⌈⌉ = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 54

VERTICAL INTENSITY

JANUARY 1936

50962 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			406	403	405	407	405	403	413	426	436	429	417	403	388	382	386	398	402	402	409	409	411	406	408	411	407	0	8	34	14	10	61
2	✓			408	407	404	405	405	408	408	409	416	411	405	395	384	371	366	381	398	398	399	403	405	406	408	408	400	0	8	44	14	36	56
3	✓	✓		408	406	405	404	403	407	414	422	426	420	416	412	401	394	391	395	394	394	399	404	404	404	404	406	406	0	8	49	14	41	39
4	✓	✓		406	405	402	402	401	403	401	401	401	401	403	399	384	371	373	385	394	399	401	401	401	401	402	402	397	0	0	00	13	40	38
5	✓			401	401	399	401	401	404	411	408	400	398	394	391	385	383	387	389	399	404	406	406	404	403	402	402	399	0	6	47	13	10	30
6	✓	✓		401	401	400	400	401	405	408	408	400	386	367	351	344	345	355	371	390	398	402	402	402	402	402	402	389	0	7	05	12	47	68
7	✓	✓		402	400	400	399	400	405	412	412	405	390	375	361	350	347	347	360	380	396	401	399	398	399	398	398	389	0	7	35	14	14	70
8			✓	398	397	397	397	398	400	414	421	411	391	368	350	333	333	353	379	391	398	403	409	411	420	419	411	392	1	21	57	12	55	98
9				408	403	397	395	399	407	417	422	416	394	372	362	350	350	359	374	396	408	414	412	412	408	408	408	395	1	7	20	13	00	79
10				403	402	403	397	403	403	404	409	409	400	379	361	342	339	354	374	389	400	414	417	418	414	413	411	394	1	20	58	13	20	90
11				409	407	397	400	400	406	419	427	421	401	383	371	369	367	371	376	390	405	413	412	415	411	412	405	399	0	7	59	13	34	65
12				409	406	402	399	399	402	410	418	425	406	384	363	359	345	352	368	386	400	411	419	430	433	415	407	398	0	21	48	13	57	99
13				404	401	398	392	395	405	415	421	420	412	394	380	379	363	369	379	394	406	408	407	413	416	412	411	400	1	7	44	13	40	71
14				401	402	392	395	397	400	404	408	408	407	400	387	382	374	372	383	393	402	406	406	406	410	414	413	398	0	22	27	14	32	45
15	✓			414	413	409	407	406	410	411	419	420	413	395	371	363	360	365	380	399	405	405	407	407	407	410	409	400	0	7	56	13	31	64
16	✓	✓		409	405	403	403	405	407	411	417	418	407	390	371	361	356	363	378	391	404	408	408	407	408	412	410	398	0	8	05	13	30	68
17	✓			408	408	406	404	404	404	407	413	420	413	404	390	369	362	364	379	391	398	406	405	404	405	406	406	399	0	8	45	13	45	62
18			✓	407	405	404	404	404	408	413	419	419	407	393	374	368	369	373	374	396	408	426	425	435	417	415	408	403	1	20	45	12	18	85
19				403	409	403	405	405	408	414	411	421	415	410	394	387	378	377	387	403	408	411	408	409	417	416	413	405	1	21	53	14	06	55
20				406	408	399	394	404	414	416	417	422	417	407	391	382	380	384	396	409	414	411	412	409	408	408	408	405	0	8	46	13	02	46
21				409	407	406	407	400	410	411	414	407	396	389	368	361	372	389	402	408	410	410	407	408	409	413	416	401	1	23	23	12	10	58
22				405	404	406	407	398	410	419	415	411	411	404	392	384	375	385	398	402	407	415	419	416	410	407	407	404	0	19	55	13	30	50
23				411	411	403	406	408	414	416	423	417	414	404	392	377	373	374	386	402	408	408	407	407	410	410	407	404	0	7	32	13	50	56
24			✓	406	406	404	405	407	411	416	428	437	419	401	391	381	381	385	389	399	403	402	403	405	408	407	406	404	1	8	30	13	00	64
25			✓	403	409	423	418	406	377	378	399	391	396	381	374	367	367	372	388	405	420	423	432	419	430	441	417	402	1	19	50	6	08	100
26			✓	408	406	406	406	409	415	422	424	423	415	399	389	380	376	381	397	412	416	424	422	420	413	418	415	408	1	18	11	12	15	64
27				412	401	399	399	397	387	417	427	427	414	405	390	380	369	368	387	402	408	408	413	412	419	419	415	403	0	8	40	14	12	70
28				407	403	402	403	403	408	410	424	432	436	419	387	359	350	365	379	389	396	406	410	416	415	415	412	402	1	9	20	13	30	91
29				409	406	406	402	400	409	416	423	429	426	422	411	386	361	355	369	390	401	406	406	407	409	410	410	403	0	8	59	13	58	79
30				411	409	405	401	396	406	409	412	422	436	427	405	382	360	361	366	375	394	408	413	417	416	414	413	402	0	9	21	13	50	83
31				409	405	402	401	397	401	413	420	424	418	417	411	402	388	386	395	410	411	409	407	409	409	409	413	407	1	8	00	13	57	51
MEANS ALL DAYS				406	405	403	402	402	405	411	417	417	410	398	383	372	366	370	383	396	404	409	410	411	411	411	409	400						66
MEANS TEN DAYS *				406	405	403	403	403	406	410	414	414	407	397	384	373	367	370	382	394	400	404	404	404	404	405	405	398						56
MEANS FIVE DAYS † (G. M. T.)				403	402	401	401	401	403	409	412 411	410 407	401	390	379	368	363	366	378	390	398	402	403	402	403	404	404	395						
MEANS FIVE DAYS ‡ (G. M. T.)				407	406	406	405	403	399	410	417	416	406	388	376	366	365	373	385	401	409	416	418	418	418	420	411	402						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 55

VERTICAL INTENSITY

FEBRUARY 1936

50962 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓	✓		407	408	407	408	402	406	412	419	425	427	413	396	378	366	356	362	379	400	413	409	409	414	410	409	401	0	9	24	431	14	35	354	77
2				406	405	403	405	404	404	412	416	420	412	401	392	383	372	373	386	396	398	402	405	407	408	407	410	401	0	8	10	422	13	53	369	53
3				414	415	412	413	412	404	410	404	421	411	397	375	358	364	373	388	398	405	411	407	406	405	406	405	401	0	8	24	422	12	46	354	68
4				407	410	409	405	406	409	417	416	411	401	381	366	361	362	371	387	408	425	424	421	417	414	414	416	402	0	17	42	428	12	27	361	67
5	✓	✓		415	416	410	407	411	415	424	433	430	407	373	355	353	360	364	369	387	402	409	410	414	417	410	408	400	0	7	40	433	12	11	352	81
6	✓			404	406	404	403	404	410	416	419	427	414	389	359	352	353	364	384	402	410	411	409	409	412	410	410	399	0	8	46	428	13	25	350	78
7	✓	✓		408	405	405	404	405	409	415	427	432	409	371	332	320	327	338	358	382	398	408	410	408	409	408	407	391	0	8	32	434	12	50	319	115
8	✓			403	402	401	398	399	405	412	423	431	418	388	350	339	341	356	375	395	406	408	404	404	405	405	405	395	0	8	59	433	12	40	338	95
9				404	404	406	403	402	400	407	421	430	416	380	351	340	341	349	362	377	394	407	406	411	422	420	413	394	1	8	45	433	12	40	338	95
10				402	396	398	397	398	396	411	428	431	428	402	371	334	315	325	348	373	398	410	407	411	411	411	417	392	1	7	58	439	13	12	313	126
11				402	403	400	394	393	397	400	411	420	420	411	398	362	337	341	358	377	394	403	402	405	409	407	404	394	1	8	11	427	13	43	333	94
12	✓			400	400	398	395	397	399	403	416	426	425	409	383	348	325	330	348	376	396	409	409	410	410	409	405	393	0	9	03	428	13	45	323	105
13	✓	✓		404	401	396	396	396	397	403	413	422	422	415	402	381	358	346	356	370	382	394	398	401	403	405	403	394	0	9	00	424	14	30	346	78
14				403	401	399	398	397	397	401	411	423	425	412	383	352	334	337	359	375	384	394	398	398	397	402	417	392	1	24	00	435	13	40	332	103
15				423	406	399	391	388	393	395	411	418	417	398	377	361	349	355	373	389	404	409	410	413	413	406	408	396	0	0	00	436	13	49	347	89
16			✓	415	402	398	397	397	398	405	417	418	415	400	382	366	357	359	368	385	403	412	419	417	416	411	415	399	1	19	46	439	14	08	355	84
17			✓	421	404	394	391	383	384	400	414	422	420	414	397	390	376	364	379	400	405	411	418	417	428	418	417	403	1	21	16	440	14	22	360	80
18				408	401	378	382	391	387	398	413	421	418	404	389	365	350	365	390	405	412	414	413	412	411	412	409	398	0	8	34	424	13	30	345	79
19			✓	404	405	404	400	400	403	412	425	433	432	413	394	378	362	357	374	395	405	414	422	421	417	416	413	404	1	9	05	438	14	15	353	85
20				409	411	401	388	377	385	390	402	415	418	403	394	378	362	367	384	397	402	405	405	405	405	405	405	396	0	9	20	422	13	50	359	63
21			✓	400	400	400	393	395	396	403	413	427	426	420	391	351	336	363	385	390	401	412	421	414	429	431	416	401	0	22	08	437	13	42	334	103
22			✓	410	395	394	393	395	389	408	420	430	420	414	388	374	365	371	384	402	416	409	414	416	421	425	421	403	0	21	44	434	13	21	363	71
23				403	395	394	394	392	386	398	419	429	423	408	392	379	356	341	350	373	393	405	408	408	421	417	418	396	1	8	47	437	14	30	338	99
24				418	411	396	387	390	394	401	403	420	429	417	400	378	362	364	371	381	393	400	404	413	408	403	402	398	0	9	12	433	14	00	360	73
25	✓			403	401	396	395	395	392	402	414	431	437	423	404	370	345	344	357	376	392	400	400	406	417	419	405	397	0	9	50	438	14	20	340	98
26				407	400	398	384	391	393	403	414	426	424	413	386	360	343	351	368	384	399	408	413	414	420	427	420	398	1	22	39	432	13	55	340	92
27				413	406	396	379	386	389	398	399	412	417	411	395	376	356	358	370	386	399	401	405	412	414	413	414	396	1	20	49	430	13	43	351	79
28	✓	✓		409	399	394	395	392	391	397	411	426	436	426	405	376	359	363	372	385	398	401	401	401	403	405	404	398	0	9	30	437	13	40	358	79
29	✓			403	399	399	398	395	397	400	408	419	424	416	398	370	350	351	369	388	404	409	404	407	410	413	419	398	0	9	35	425	13	42	348	77
30																																				
31																																				
MEANS ALL DAYS				408	404	400	396	396	397	405	415	424	420	404	383	363	351	355	370	387	401	407	409	410	413	412	411	398								86
MEANS TEN DAYS *				406	404	401	400	400	402	408	418	427	422	402	378	359	348	351	365	384	399	406	405	407	410	409	408	397								88
MEANS FIVE DAYS † (G. M. T.)				404	403	401	400	400	403	408	421 415	427 424	420	400	378	362	354	353	363	381	396	405	406	407	409	408	406	396								
MEANS FIVE DAYS ‡ (G. M. T.)				410	401	392	390	388	386	399	414	426	423	412	390	372	359	363	378	394	406	412	419	417	422	420	416	400								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 56

VERTICAL INTENSITY

MARCH 1936

50962 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			417	409	406	408	406	406	411	409	423	418	408	390	369	362	357	365	391	405	405	405	406	406	408	408	400	0	8 49	425	14 22	356	69
2	✓			410	408	407	408	406	406	410	415	416	416	405	387	366	356	361	374	388	400	404	404	405	408	409	407	399	0	9 20	418	13 34	354	64
3	✓	✓		407	405	404	405	404	404	404	411	421	426	410	381	361	357	366	380	394	401	403	403	405	405	405	405	399	0	9 20	427	13 08	354	73
4	✓	✓		404	404	402	402	402	401	404	412	422	429	415	386	360	337	345	358	376	391	397	401	403	403	403	403	394	0	9 50	432	13 40	334	98
5	✓			403	401	399	399	399	401	402	415	428	428	412	393	374	356	354	365	382	394	402	405	405	407	407	411	398	0	8 58	433	14 15	351	82
6				403	401	399	399	399	399	402	413	423	425	412	390	369	344	336	353	373	392	402	405	408	409	407	406	395	0	9 22	429	14 00	333	96
7	✓	✓		408	403	399	399	400	397	400	413	427	423	414	394	370	346	338	347	371	390	401	402	405	408	406	405	394	0	8 47	435	14 05	336	99
8				401	399	398	398	398	400	406	415	422	418	401	384	363	349	349	353	375	391	396	404	411	409	409	417	394	1	23 12	427	14 03	345	82
9				411	402	399	397	398	398	397	408	418	423	416	396	366	341	332	348	371	392	398	403	421	416	411	410	395	1	21 00	430	14 18	330	100
10				407	396	397	394	393	396	402	414	425	427	413	392	372	357	352	361	377	395	398	401	405	406	403	402	395	1	9 12	429	14 10	349	80
11	✓	✓		401	399	398	397	396	397	401	407	427	429	408	376	347	335	342	355	379	393	397	399	401	403	402	402	391	0	9 20	431	13 36	334	97
12	✓	✓		398	397	394	393	392	393	396	402	407	411	404	386	365	349	348	360	379	392	396	398	401	403	406	403	391	0	9 36	412	14 17	346	66
13				402	399	398	395	394	394	398	400	400	397	387	373	360	342	337	348	373	390	394	396	397	398	398	399	386	0	0 02	403	14 10	334	69
14				398	396	395	395	394	396	402	406	406	398	383	365	348	334	340	359	381	394	394	394	395	397	398	398	386	0	8 08	409	13 46	332	77
15				401	402	398	393	392	393	399	404	408	402	389	375	363	354	361	377	394	393	395	398	398	398	400	399	391	1	8 32	413	13 28	351	62
16				397	403	403	403	396	393	397	395	399	395	382	368	352	356	365	379	388	392	395	395	396	398	400	399	389	0	3 10	407	12 38	351	56
17				399	397	398	396	396	398	402	407	408	406	390	378	366	363	367	381	389	398	399	396	396	398	398	401	393	1	9 10	411	13 28	363	48
18				403	398	397	395	389	392	398	398	399	395	392	385	378	371	373	382	400	410	414	422	418	410	412	411	398	0	19 17	425	13 08	371	54
19				408	409	411	413	410	405	408	415	421	417	409	392	380	370	375	389	400	409	410	413	416	413	411	409	405	1	8 08	425	13 15	367	58
20			✓	405	404	404	395	400	403	412	418	422	421	411	398	378	370	376	386	399	416	414	417	423	430	415	414	405	1	21 14	435	13 14	366	69
21			✓	415	411	406	404	403	403	403	412	413	410	399	379	373	369	377	391	401	421	448	443	434	429	420	418	408	1	18 47	463	13 50	364	99
22				409	408	404	400	395	404	407	410	405	399	401	391	382	377	378	386	393	403	412	414	426	421	415	411	402	1	20 24	430	13 30	375	55
23			✓	408	406	407	401	396	406	411	417	417	409	392	376	362	360	361	376	397	408	418	433	410	411	410	410	400	1	19 08	450	14 00	353	97
24			✓	419	416	386	393	404	405	410	408	402	399	393	377	369	358	371	392	396	411	418	421	428	429	439	417	403	1	22 10	456	13 26	353	103
25			✓	410	410	404	404	398	396	409	413	416	417	406	390	379	371	378	396	407	410	416	429	418	425	425	413	406	1	19 32	440	13 55	369	71
26				410	410	408	408	405	398	401	405	418	433	434	422	411	404	398	402	405	414	418	418	418	418	418	417	412	1	10 00	451	6 56	394	57
27				415	414	412	409	406	406	402	415	426	423	414	402	395	386	388	398	402	416	421	427	430	427	426	418	412	1	20 45	434	13 56	383	51
28				416	417	415	402	406	406	407	411	416	412	399	393	387	387	390	393	404	410	412	412	413	414	415	416	406	0	0 50	421	12 02	385	36
29	✓			416	412	411	406	412	412	413	416	417	418	416	399	384	380	384	392	403	415	419	419	423	424	420	418	410	0	20 42	427	14 02	377	50
30	✓			413	412	412	411	410	412	415	419	424	424	415	388	365	359	370	384	397	408	412	413	413	412	413	413	405	0	8 53	427	13 20	357	70
31				413	412	411	410	411	411	412	416	408	408	402	380	371	367	375	388	400	411	417	419	417	419	420	419	405	1	22 07	421	13 23	366	55
MEANS ALL DAYS				407	405	403	401	400	401	405	410	416	415	404	387	370	360	363	375	390	402	407	410	411	411	411	409	399						72
MEANS TEN DAYS ✱				408	405	403	403	403	403	406	412	421	422	411	388	366	354	356	368	386	399	404	405	407	408	408	408	398						77
MEANS FIVE DAYS † (G. M. T.)				402	400	398	397	397	398	401	409 409	421 416	424	410	385	361	345	348	360	380	393	399	401	403	404	404	404	393						
MEANS FIVE DAYS ‡ (G. M. T.)				413	411	402	402	401	401	406	410	414	411	400	384	372	366	373	388	400	413	423	429	423	425	422	414	404						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 57

VERTICAL INTENSITY

50962 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				415	413	414	413	412	409	408	408	411	413	409	395	377	371	369	380	391	400	406	411	411	414	421	437	404	1	23 47	447	14 38	368	79
2				437	427	416	416	411	411	414	413	414	414	409	403	396	383	384	385	396	406	409	411	412	412	412	414	409	1	0 00	446	13 35	380	66
3				412	412	409	411	412	408	406	415	417	417	406	389	376	375	376	383	396	403	409	412	413	411	412	416	404	1	23 23	420	12 48	370	50
4				416	415	422	416	403	408	417	418	410	411	402	389	381	381	393	413	408	409	413	415	416	415	414	411	408	0	3 42	428	12 50	379	49
5	✓	✓		411	410	408	410	410	411	415	418	418	409	395	377	370	373	377	384	393	404	409	413	417	418	417	413	403	0	21 20	420	12 30	369	51
6	✓	✓		409	406	408	409	410	410	413	419	425	422	412	389	372	366	366	375	391	403	411	412	412	411	408	406	403	0	8 44	427	13 20	363	64
7	✓			405	404	403	404	404	406	410	416	422	419	407	388	371	362	377	387	399	409	417	425	427	432	434	426	406	0	22 12	437	13 30	360	77
8				419	415	412	410	412	413	419	429	434	429	408	381	368	365	377	394	415	421	426	435	445	439	421	421	413	1	20 40	448	13 23	363	85
9	✓			419	419	414	415	414	416	424	429	430	427	414	396	379	376	371	382	393	405	410	416	420	421	420	419	410	0	8 28	431	14 45	366	65
10	✓	✓		418	417	416	415	410	416	420	428	428	418	405	387	376	374	378	389	397	408	411	414	419	419	420	419	408	0	8 08	431	13 40	371	60
11				417	414	414	414	414	415	421	432	435	423	404	380	368	366	374	386	399	409	415	424	425	424	421	417	409	0	8 28	437	13 28	364	73
12				420	416	413	410	412	414	415	423	420	419	400	382	375	377	387	396	404	410	417	430	425	425	432	428	410	1	22 46	443	12 10	373	70
13				420	423	417	415	412	399	412	415	418	412	401	388	380	383	386	389	404	412	415	420	424	420	423	424	409	1	20 40	431	12 40	377	54
14				422	417	412	410	399	407	414	422	419	414	401	386	382	377	386	396	407	413	417	416	415	416	417	418	408	0	0 30	433	13 16	377	56
15				418	417	418	407	418	415	415	423	427	425	410	393	377	375	385	399	420	429	433	441	439	436	425	418	415	1	21 14	451	13 00	372	79
16	✓			424	424	411	411	399	407	415	413	415	414	405	394	386	381	394	403	413	419	418	417	417	417	417	417	410	0	0 22	431	13 36	378	53
17				417	417	416	415	413	416	418	421	422	411	402	399	395	394	395	404	411	421	420	420	421	412	408	410	412	1	8 29	422	13 03	385	37
18			✓	410	403	403	403	389	392	397	410	415	399	394	390	388	394	406	409	416	420	418	416	415	414	419	424	406	1	23 54	429	4 50	374	55
19			✓	413	417	410	389	401	408	415	415	416	406	396	391	385	382	383	395	394	412	422	422	433	432	422	423	408	1	20 55	444	3 29	374	70
20			✓	411	389	399	401	402	384	397	413	402	410	407	401	386	392	399	407	413	417	419	419	430	436	430	416	408	1	20 55	455	1 06	371	84
21			✓	412	415	400	400	393	392	400	411	425	418	414	398	387	383	393	405	441	429	423	439	456	449	431	411	414	1	20 24	475	13 10	377	98
22			✓	403	403	398	395	398	390	388	382	403	414	411	404	408	401	408	418	426	429	434	430	434	437	414	419	410	1	18 44	455	7 28	371	84
23				412	393	396	401	402	409	413	421	426	423	416	405	391	398	387	398	414	422	414	417	421	418	425	429	410	1	23 05	444	1 40	377	67
24				414	409	401	402	398	400	405	416	421	421	413	395	380	382	386	390	412	419	416	421	423	425	420	416	408	1	21 30	431	12 45	377	54
25				410	407	405	407	406	408	411	414	424	431	418	399	381	381	385	392	399	406	407	420	426	423	420	414	408	1	20 03	435	13 00	378	57
26	✓	✓		410	402	402	404	403	398	405	412	427	433	427	410	386	378	378	386	396	409	409	407	410	411	411	411	405	0	9 44	438	14 09	376	62
27	✓			407	406	404	402	403	403	406	414	421	419	414	402	388	381	380	387	395	403	404	406	408	410	410	408	403	0	8 50	422	14 20	379	43
28	✓			406	400	402	402	403	402	402	403	408	411	406	396	388	387	391	395	400	407	405	407	408	411	413	409	403	1	22 17	414	12 54	384	30
29	✓	✓		408	412	408	407	406	398	402	408	407	404	398	388	383	381	386	394	401	406	406	407	409	408	408	408	402	0	1 12	415	13 16	380	35
30				407	406	404	404	404	404	403	403	405	404	399	387	376	377	381	391	408	411	407	408	408	417	419	419	402	0	23 00	423	12 40	373	50
31																																		
MEANS ALL DAYS				414	411	408	407	406	406	410	415	419	416	407	393	382	380	385	394	405	412	415	418	421	421	419	417	408						62
MEANS TEN DAYS ✱				412	410	408	408	406	407	411	416	420	418	408	393	380	376	380	388	398	407	410	412	415	416	416	414	405						54
MEANS FIVE DAYS (G. M. T.) †				409	407	407	407	407	408	411	417 417	421 422	417	407	390	377	374	377	386	396	406	409	411	413	413	413	411	404						
MEANS FIVE DAYS (G. M. T.) ‡				410	403	401	397	399	397	403	408	412	409	404	397	391	390	398	407	418	421	423	425	434	434	423	419	409						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 58

VERTICAL INTENSITY

50961 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓			415	414	414	414	414	414	414	418	410	420	417	406	402	395	393	397	409	416	416	420	421	419	414	412	412	0	19	55	425	14	31	391	34
2	✓			412	412	412	412	414	414	413	412	414	415	405	397	392	393	400	405	409	412	413	415	420	420	420	415	410	0	22	41	423	12	28	389	34
3	✓			414	410	410	413	414	414	414	413	413	410	409	404	396	394	393	397	405	410	413	413	413	413	412	409	409	0	0	03	417	14	05	390	27
4				409	406	405	407	409	409	410	409	408	406	401	394	383	383	387	393	401	406	411	415	415	418	425	428	406	1	23	17	436	13	14	380	56
5				416	416	412	420	416	408	405	407	412	411	408	399	392	387	387	396	403	410	413	415	417	417	416	409	408	0	3	11	424	13	22	385	39
6	✓			409	407	409	409	407	410	410	410	413	415	413	400	393	389	390	392	402	407	410	411	413	416	414	412	407	0	9	38	418	13	32	387	31
7	✓	✓		411	408	407	408	409	410	409	411	414	413	406	397	383	379	385	393	398	407	409	416	416	414	413	412	405	0	21	03	418	13	20	379	39
8	✓	✓		410	409	408	407	408	409	411	412	415	413	407	392	387	378	379	388	401	406	410	411	413	414	413	411	405	0	9	08	415	13	48	376	39
9	✓	✓		408	406	404	403	405	406	408	415	419	413	402	391	380	376	379	387	397	402	405	408	410	410	410	408	402	0	8	20	420	13	25	375	45
10				406	405	403	402	403	403	403	407	413	418	415	400	382	377	377	383	391	400	402	407	415	418	415	411	402	0	21	20	419	13	50	375	44
11			✓	410	412	410	408	416	407	402	399	409	413	411	405	398	388	388	390	402	410	409	409	412	415	416	415	406	1	4	07	424	14	42	385	39
12			✓	409	407	404	407	406	405	407	411	416	415	409	402	390	385	382	398	415	419	417	421	426	425	421	409	409	1	20	13	429	13	52	377	52
13				413	409	402	402	401	397	404	412	427	425	420	408	395	394	395	401	410	412	415	414	413	414	414	414	409	1	9	06	432	13	30	391	41
14				412	410	412	412	413	407	405	412	417	419	415	400	393	388	387	396	408	416	416	418	416	421	413	424	410	1	24	00	431	14	55	385	46
15				419	415	403	405	408	404	405	406	407	405	407	411	415	415	409	407	413	418	418	419	418	415	414	414	411	1	0	00	431	2	43	389	42
16				413	413	412	414	403	414	405	401	405	407	403	399	392	393	399	399	418	423	431	425	442	447	424	419	413	1	21	03	460	12	10	391	69
17				414	415	420	406	404	411	408	406	407	408	407	406	403	402	407	410	418	421	420	419	419	419	419	411	412	1	17	00	428	13	15	397	31
18			✓	411	414	410	412	412	414	411	409	411	407	402	399	402	403	405	422	431	430	427	424	431	423	420	421	415	1	21	15	446	13	37	391	55
19			✓	408	411	403	404	411	416	417	415	416	417	417	412	409	407	408	404	416	428	437	441	431	421	421	419	416	1	20	12	477	3	18	394	83
20				411	410	411	402	413	414	413	424	428	425	415	407	400	391	394	401	417	426	418	421	421	421	422	416	413	1	17	13	434	13	30	387	47
21				412	410	410	411	411	414	418	416	418	417	410	398	388	392	397	401	413	420	424	425	423	422	413	413	412	1	19	20	426	12	24	385	41
22	✓			414	405	409	412	411	413	411	413	417	418	416	406	398	391	387	392	402	411	415	415	417	420	419	413	409	0	22	11	425	14	50	385	40
23	✓	✓		410	406	405	405	406	407	409	410	414	421	422	408	395	388	383	388	400	406	410	412	416	416	416	413	407	0	10	19	423	14	30	383	40
24	✓	✓		408	407	406	405	405	406	405	409	416	418	418	410	399	388	386	392	398	405	408	410	411	411	411	411	406	0	9	58	420	14	30	385	35
25				407	405	403	404	403	403	402	403	408	413	417	409	396	390	386	389	395	403	404	407	408	408	409	409	403	0	10	21	418	14	45	385	33
26				407	405	402	398	401	403	405	405	417	420	414	404	396	388	384	389	398	409	415	427	436	436	424	422	409	1	21	00	440	14	16	383	57
27				425	420	416	408	407	411	407	407	413	416	416	406	402	389	382	392	408	421	418	421	422	421	419	418	411	0	0	54	429	14	40	379	50
28				418	411	410	413	414	413	405	405	414	418	419	409	397	396	394	396	407	412	413	413	415	417	417	413	410	1	22	04	423	15	33	388	35
29			✓	414	417	417	416	413	411	409	407	411	415	415	412	402	395	395	398	406	413	411	423	441	449	441	432	415	1	21	41	462	13	39	393	69
30				427	428	421	419	421	407	401	405	414	416	412	412	408	406	402	402	410	419	420	421	421	422	421	419	415	1	1	52	431	5	50	389	42
31				418	414	410	410	409	410	408	411	414	410	407	401	403	399	397	400	413	419	419	419	419	419	419	419	411	1	7	58	424	11	04	390	34
MEANS ALL DAYS				413	411	409	409	409	409	408	410	414	415	411	403	396	392	392	397	407	413	415	417	420	420	418	415	409								44
MEANS TEN DAYS *				411	408	408	409	409	410	410	412	414	416	412	401	393	387	388	393	402	408	411	413	415	415	414	412	407								36
MEANS FIVE DAYS † (G. M. T.)				408	406	405	404	405	405	406	411 409	416 414	416	411	400	389	382	382	390	399	405	408	411	413	413	413	411	404								
MEANS FIVE DAYS ‡ (G. M. T.)				414	413	408	407	410	408	408	413	413	413	411	406	400	396	396	402	414	420	420	424	428	427	424	419	412								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 59

VERTICAL INTENSITY

50961 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1936 — JUNE 1936

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1			✓	418	417	413	413	414	417	415	410	413	415	414	411	400	397	400	404	414	420	422	437	433	434	430	427	416	1	19	30	446	13	52	395	51
2			✓	423	415	419	420	423	413	413	409	410	408	402	397	394	393	393	398	407	417	419	416	421	421	418	416	411	1	0	18	426	12	48	381	45
3				413	413	419	425	414	421	416	399	395	411	410	407	411	406	405	411	416	420	424	426	427	427	424	421	415	1	3	37	430	8	00	382	48
4				419	412	411	412	414	416	414	401	406	411	411	408	403	400	398	401	407	415	417	419	419	419	420	413	411	0	23	00	430	14	00	395	35
5	✓	✓		410	409	409	411	412	413	413	412	417	418	418	412	404	395	391	398	414	419	422	419	422	422	420	418	412	0	18	39	431	13	59	389	42
6	✓	✓		415	413	413	413	413	415	417	415	418	418	417	413	410	408	401	397	405	414	417	418	420	421	420	418	414	0	22	55	422	14	53	396	26
7				415	413	412	412	413	413	414	413	416	422	419	410	401	391	388	395	408	413	421	421	422	421	418	414	412	0	9	46	424	14	01	387	37
8				413	412	409	409	409	410	413	413	419	420	417	412	404	395	391	404	410	414	415	417	422	421	425	419	412	0	22	37	433	14	16	387	46
9			✓	418	417	416	412	408	409	395	399	408	411	401	399	410	403	406	408	424	431	446	434	433	442	452	443	418	1	22	58	463	6	49	373	90
10			✓	424	415	413	416	415	412	414	411	417	421	423	420	410	407	412	410	415	416	418	431	427	429	423	420	417	1	0	17	438	13	06	391	47
11				417	415	415	404	414	413	411	410	419	418	417	410	410	404	400	404	409	414	417	421	421	424	418	421	414	1	21	22	430	3	36	386	44
12				417	414	414	413	413	413	413	412	410	416	417	413	406	404	403	415	414	419	417	416	415	416	416	416	413	0	17	42	421	14	06	399	22
13				414	414	413	413	412	409	406	407	413	416	421	417	416	413	407	407	410	413	416	416	413	414	416	417	413	0	10	37	422	14	40	404	18
14				413	412	413	400	416	412	409	411	416	417	411	412	408	413	411	421	413	421	422	417	419	417	414	414	414	0	15	26	427	3	08	390	37
15				416	412	408	416	415	415	414	407	415	416	414	410	405	410	406	412	420	438	417	417	418	418	419	422	415	1	17	15	446	2	00	400	46
16				415	402	413	413	413	414	413	412	413	412	405	405	398	397	398	399	416	421	424	434	421	420	429	421	413	1	19	32	443	12	56	390	53
17				412	411	411	411	407	411	414	414	423	423	420	412	405	397	403	408	416	418	418	418	420	421	418	415	414	1	9	15	428	13	25	396	32
18				413	411	410	409	416	416	417	417	422	419	414	403	397	394	396	401	412	417	415	420	419	418	414	414	412	1	19	38	424	13	21	393	31
19			✓	413	406	406	407	409	410	407	406	402	407	433	438	433	411	421	436	442	465	480	496	488	472	458	424	432	2	19	25	517	13	40	387	130
20				407	405	405	404	408	407	419	426	433	424	415	402	401	398	392	407	413	419	427	428	429	431	430	427	415	1	8	40	436	14	35	383	53
21	✓			422	421	419	419	422	422	422	422	428	430	423	409	405	399	403	409	414	421	423	424	426	426	426	423	419	0	9	34	432	13	14	396	36
22	✓			422	417	416	415	414	413	414	413	423	430	427	416	409	404	399	404	413	419	420	421	423	423	421	421	417	0	9	34	434	14	45	397	37
23	✓	✓		426	418	415	412	416	416	415	414	423	431	434	422	410	401	394	394	406	394	417	418	420	421	421	420	415	0	10	22	435	14	12	393	42
24				419	418	416	414	413	412	411	413	417	419	418	410	404	400	398	399	404	412	413	416	417	420	420	417	412	0	22	09	424	14	38	396	28
25	✓			420	421	418	417	414	413	411	408	412	421	423	414	406	400	397	401	410	415	417	417	418	418	418	418	414	0	9	35	426	14	01	395	31
26				418	417	416	415	413	413	412	408	411	417	418	413	408	404	403	401	406	413	417	417	417	417	419	421	413	0	23	07	425	15	07	400	25
27	✓			417	417	414	413	416	414	414	413	419	426	419	415	409	398	400	408	414	416	417	417	417	417	418	418	414	0	9	39	428	13	40	392	36
28	✓			417	416	415	413	413	413	413	413	416	419	418	404	402	400	398	401	408	413	413	413	414	414	414	413	411	0	9	40	422	14	05	394	28
29	✓	✓		413	412	411	411	413	413	411	410	411	410	408	399	394	398	403	408	416	417	417	416	414	413	412	411	410	0	17	25	417	12	46	394	23
30	✓	✓		411	412	412	414	415	416	416	414	417	419	417	412	406	399	392	398	408	415	416	416	416	417	412	412	412	0	21	40	422	14	40	391	31
31																																		
MEANS ALL DAYS				416	414	413	413	414	413	413	411	415	418	417	411	406	401	400	405	413	419	421	423	423	423	422	419	414								42
MEANS TEN DAYS ✻				417	416	414	414	415	415	415	413	418	422	420	412	406	400	398	402	411	414	418	418	419	419	418	417	414								33
MEANS FIVE DAYS † (G. M. T.)				414	413	413	413	413	413	414	413 413	417 417	419	419	412	405	400	396	399	410	412	418	417	418	419	417	416	412							
MEANS FIVE DAYS ‡ (G. M. T.)				417	413	414	414	415	413	415	411	410	412	415	413	409	402	406	411	420	430	437	443	440	440	436	426	419							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 60

VERTICAL INTENSITY

JULY 1936 — JULY 1936

50961 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				411	410	410	410	410	411	411	411	416	416	411	407	401	392	393	402	410	415	415	416	415	412	412	411	410	0	9	07 418	13	50 389	29
2			✓	409	407	408	408	410	409	409	411	415	411	403	397	393	405	401	406	420	423	446	466	490	495	489	467	425	2	20	50 515	12	49 378	137
3				436	433	429	424	423	420	420	423	426	428	429	425	426	423	414	419	425	428	431	431	434	434	433	424	427	0	0	00 451	14	35 411	40
4	✓			424	421	419	419	421	422	422	423	431	433	431	418	409	401	402	408	418	424	424	425	427	427	426	423	421	0	9	27 435	13	46 400	35
5				420	418	418	415	415	418	420	421	430	431	423	403	398	400	402	406	413	417	428	440	448	449	442	433	421	1	21	25 455	12	35 390	65
6			✓	430	430	412	419	419	421	422	422	421	411	413	413	412	408	408	407	411	420	419	430	453	448	454	444	423	1	20	38 470	15	51 401	69
7				425	421	417	416	413	408	407	414	416	434	428	422	424	418	417	418	421	440	430	424	430	428	423	422	422	1	17	40 444	5	55 393	51
8				421	422	419	412	416	417	416	412	411	415	416	417	412	419	418	420	419	419	419	423	424	424	424	423	418	0	22	28 424	8	50 407	17
9				420	420	417	415	416	417	417	414	419	424	424	420	414	406	406	407	413	419	417	419	420	422	428	426	418	0	22	55 437	13	45 404	33
10			✓	422	420	419	415	417	415	414	411	415	419	420	415	406	413	410	409	412	415	418	419	424	426	428	433	417	1	23	45 442	12	26 401	41
11			✓	450	430	422	410	401	386	394	397	415	422	426	425	423	418	414	418	431	437	427	433	434	437	438	433	422	1	16	58 462	5	40 375	87
12				421	422	409	408	414	414	414	419	419	416	419	414	409	406	407	410	418	419	419	420	422	423	422	422	416	0	0	40 428	3	25 402	26
13				421	419	415	419	417	409	413	414	420	425	418	415	418	419	414	414	417	424	426	428	425	424	429	421	419	0	19	45 436	6	04 405	31
14	✓	✓		420	424	416	419	420	420	419	419	420	420	416	411	411	406	399	407	414	420	422	420	421	420	420	420	417	0	2	00 424	14	30 396	28
15		✓		418	418	416	418	417	416	417	416	422	425	417	405	404	401	400	404	411	419	420	420	420	419	416	415	415	0	9	36 425	14	46 398	27
16				416	416	416	417	417	418	418	415	420	425	420	407	402	401	402	408	416	424	424	424	424	428	421	419	417	0	21	32 433	13	21 397	36
17				417	413	409	414	412	412	413	415	422	431	425	414	406	397	400	406	415	420	422	428	424	420	419	418	416	0	9	28 436	13	22 395	41
18				416	411	404	405	412	413	413	408	414	417	410	402	404	405	400	401	410	417	416	418	419	421	422	418	412	0	22	05 427	3	13 396	31
19	✓			414	413	412	414	412	412	412	415	420	422	420	411	403	398	392	393	408	416	419	417	420	424	420	416	413	0	21	48 429	15	18 389	40
20	✓			415	412	412	411	413	415	413	411	415	416	411	404	406	404	406	411	413	417	419	420	421	422	421	424	414	0	21	06 424	13	17 402	22
21	✓	✓		415	417	414	411	412	414	413	411	419	422	419	412	406	401	396	399	406	412	415	416	419	419	419	419	413	0	9	26 424	14	18 396	28
22	✓			416	414	413	412	411	411	409	408	414	419	423	414	402	392	389	396	405	413	414	416	418	419	422	419	411	0	10	17 424	14	20 387	37
23	✓	✓		416	414	412	411	411	411	409	406	418	420	423	417	406	402	402	404	408	412	416	418	419	420	420	419	413	0	10	29 424	14	05 399	25
24	✓	✓		418	417	417	414	413	412	412	413	424	427	427	418	408	402	398	404	412	414	416	418	422	423	423	422	416	0	10	23 428	14	26 395	33
25	✓			419	417	414	412	412	410	408	407	411	418	421	412	412	407	401	393	399	412	413	417	419	423	422	419	412	0	21	48 425	15	28 390	35
26	✓			417	416	416	416	413	408	411	410	416	416	412	412	412	407	397	401	411	416	416	416	416	416	417	417	413	0	23	55 419	14	25 397	22
27				416	416	416	415	414	413	411	407	412	419	420	411	407	406	402	400	408	417	416	417	419	424	420	420	414	0	21	12 426	15	30 397	29
28				416	415	410	411	412	414	411	406	406	411	419	420	406	403	400	402	411	416	417	416	416	416	416	418	412	0	11	08 423	14	36 398	25
29			✓	417	416	415	415	416	416	412	408	409	412	411	405	398	401	396	401	402	416	415	422	430	444	458	459	416	1	22	45 467	14	20 393	74
30				440	426	413	429	421	411	403	412	413	411	404	395	397	397	394	399	413	425	425	426	428	425	422	420	415	0	0	00 447	12	00 388	59
31				419	418	418	419	418	418	417	416	421	425	418	406	398	397	400	406	415	424	426	422	423	422	425	419	416	0	22	40 431	12	53 395	36
MEANS ALL DAYS				420	418	415	415	415	413	413	413	418	421	419	412	408	405	403	406	413	420	421	423	427	428	427	425	416						42
MEANS TEN DAYS ✲				417	416	414	414	414	414	413	412	419	421	420	413	408	402	398	402	409	416	417	418	420	421	421	420	414						30
MEANS FIVE DAYS † (G. M. T.)				417	416	415	415	414	413	413	413 412	421 418	423	420	413	407	402	399	404	410	415	418	418	420	420	420	419	414						
MEANS FIVE DAYS ‡ (G. M. T.)				434	426	418	417	414	408	408	413	415	415	415	411	406	409	406	408	415	422	425	434	446	450	453	447	422						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 61

VERTICAL INTENSITY

AUGUST 1936

50961 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1936

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				420	412	416	415	416	417	413	411	417	419	416	409	405	402	406	408	415	424	425	423	423	422	420	418	416	0	17	44 427	13	31 398	29
2				416	416	415	416	417	417	419	420	425	425	422	412	404	401	400	401	408	417	419	420	420	420	419	418	415	0	9	26 427	13	40 398	29
3				416	414	413	413	415	412	414	414	420	421	420	412	402	397	393	395	407	417	418	418	419	420	420	420	413	0	10	05 424	14	40 393	31
4				416	412	412	412	411	410	411	414	420	422	426	420	408	397	391	394	403	413	417	419	420	420	419	417	413	0	10	46 429	14	45 389	40
5			✓	415	412	411	411	412	413	412	413	420	423	421	416	406	398	395	390	400	412	417	423	430	425	429	425	414	0	21	03 442	15	39 389	53
6			✓	419	419	416	408	410	408	408	407	411	419	430	429	424	411	404	398	406	414	417	423	425	426	429	420	416	0	22	17 441	14	54 397	44
7	✓	✓		417	416	414	413	412	412	411	409	416	422	422	416	405	395	390	390	398	412	416	417	417	418	418	418	411	0	10	05 423	14	53 388	35
8			✓	417	417	415	413	413	413	412	409	417	426	427	423	409	395	389	396	404	412	414	416	417	421	422	421	413	0	10	11 429	14	08 387	42
9				419	419	412	417	403	409	411	411	419	423	423	417	404	388	382	391	404	416	421	424	427	427	430	430	414	0	22	58 433	14	09 378	55
10			✓	423	424	419	418	413	411	409	413	419	427	424	420	414	407	401	410	419	424	428	429	435	436	427	424	420	0	20	38 442	14	31 399	43
11	✓	✓		424	420	416	416	418	416	414	419	423	425	424	419	410	401	392	397	413	421	420	419	420	420	420	420	416	0	9	36 428	14	35 389	39
12				419	419	414	418	418	416	415	416	422	424	421	409	388	374	373	383	405	417	419	415	415	415	415	416	410	0	9	10 425	13	54 372	53
13	✓			419	415	415	415	414	414	413	412	424	432	427	415	401	384	382	394	414	424	424	421	421	422	421	419	414	0	9	56 433	14	10 378	55
14				416	414	415	415	415	414	414	415	425	428	421	408	400	398	393	394	403	413	417	417	418	419	418	417	413	0	9	11 431	14	30 391	40
15				415	415	414	415	414	413	413	416	426	428	428	417	402	377	371	379	403	416	421	422	422	422	426	417	412	0	9	13 431	14	46 370	61
16				416	415	415	416	416	415	416	422	432	430	425	417	400	393	390	394	406	418	419	420	421	421	420	417	415	0	8	54 435	14	13 388	47
17	✓			417	417	416	412	412	413	415	421	432	437	435	424	406	389	380	380	395	412	416	418	421	421	419	418	414	0	9	15 439	14	49 379	60
18	✓	✓		416	415	412	412	412	412	409	416	428	437	438	425	403	384	372	377	394	411	415	416	420	422	421	420	412	0	10	20 440	14	38 371	69
19	✓	✓		417	414	412	412	412	412	410	413	422	428	431	425	404	380	374	382	395	411	414	416	421	420	422	421	411	0	10	30 433	14	21 373	60
20				422	417	415	413	413	413	413	419	431	437	434	424	411	391	383	392	407	416	420	421	424	425	425	429	416	0	9	26 437	14	20 382	55
21	✓			428	424	421	421	414	414	413	416	428	437	437	429	413	397	388	390	403	416	421	424	427	429	430	428	419	0	10	10 439	14	56 384	55
22	✓			425	422	420	418	416	415	413	419	428	433	436	429	421	407	399	399	406	418	422	424	426	427	427	427	420	0	10	20 438	14	56 397	41
23	✓	✓		425	425	423	422	417	415	414	419	431	433	434	427	410	395	387	393	404	414	419	419	424	426	427	428	418	0	10	06 435	14	32 384	51
24	✓			424	423	420	419	419	415	412	416	422	424	422	418	404	399	396	400	410	415	418	419	423	423	424	424	416	0	20	59 428	14	35 395	33
25				424	421	419	417	418	415	412	418	429	429	422	417	405	394	389	396	406	416	417	417	418	419	419	419	415	0	9	02 434	14	17 388	46
26				419	418	417	416	417	415	411	413	419	420	429	423	411	397	397	399	403	416	419	420	421	420	420	420	415	0	10	18 430	14	01 394	36
27				420	419	418	417	417	416	416	420	429	433	429	418	409	395	377	377	395	410	418	420	428	437	433	424	416	0	21	20 439	15	06 372	67
28				417	417	417	416	416	416	415	422	427	433	429	415	401	396	393	405	416	422	424	423	423	423	421	420	417	0	9	55 435	14	20 392	43
29				419	417	416	418	418	416	418	427	433	431	428	418	401	373	365	379	401	417	419	422	422	422	420	418	413	0	8	25 435	14	02 365	70
30			✓	419	415	417	416	418	416	417	420	434	439	436	432	421	404	393	386	401	420	424	423	424	424	423	423	419	0	9	04 441	15	34 384	57
31				420	418	423	417	401	418	420	427	434	440	436	423	408	382	373	390	409	420	423	422	423	425	423	421	416	0	9	14 445	14	46 370	75
MEANS ALL DAYS				419	417	416	415	414	414	413	416	425	429	428	420	407	394	388	392	405	416	419	420	422	423	423	421	415						49
MEANS TEN DAYS ✻				421	419	417	416	415	414	412	416	425	431	431	423	408	393	386	390	403	415	418	419	422	423	423	422	415						50
MEANS FIVE DAYS (G. M. T.) †				420	418	415	415	415	414	412	415 415	424 423	429	430	422	406	391	383	388	401	414	417	417	420	421	422	421	414						
MEANS FIVE DAYS (G. M. T.) ‡				420	418	416	414	409	413	413	415	420	427	428	424	415	403	396	396	406	416	420	423	426	426	426	423	416						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 62

VERTICAL INTENSITY

50961 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120^{H} MERIDIAN MEAN TIME)

SEPTEMBER 1936

SEPTEMBER 1936

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			418	417	416	414	417	419	422	431	444	448	444	431	406	383	383	389	401	416	421	421	422	423	423	421	418	0	9	20	450	13 40	381	69
2				420	418	417	416	416	416	419	427	434	433	430	421	403	392	387	393	406	419	422	425	425	426	427	425	417	0	8	40	436	14 33	385	51
3	✓	✓		420	417	416	416	416	417	418	426	435	435	427	415	399	389	389	391	404	416	420	421	423	425	425	422	416	0	8	50	436	13 20	387	49
4				420	418	417	416	417	417	417	421	430	430	426	416	399	392	396	403	413	420	421	421	423	425	426	424	417	0	8	44	435	13 46	390	45
5				422	421	420	416	413	413	412	423	432	436	435	427	413	401	403	404	409	417	421	422	424	427	427	427	419	0	9	55	437	13 38	400	37
6	✓			426	424	423	419	419	416	419	425	433	436	430	420	414	408	410	413	414	416	419	421	423	425	427	427	421	0	8	50	437	13 56	406	31
7	✓	✓		426	424	422	421	419	418	415	416	424	432	433	428	420	405	400	400	402	408	416	419	419	421	423	423	418	0	10	10	433	14 42	397	36
8				423	423	421	419	419	417	414	415	419	421	421	410	389	381	408	390	404	414	416	417	416	419	420	424	413	0	23	50	425	13 39	379	46
9				425	424	419	416	415	414	412	419	421	424	424	411	393	378	379	396	406	421	422	426	428	429	435	428	415	1	22	21	437	13 40	375	62
10				421	422	419	417	418	418	417	417	419	422	416	407	396	397	395	399	409	416	419	421	422	427	431	432	416	0	21	41	434	12 16	394	40
11			✓	427	421	419	422	419	421	418	424	428	425	413	390	372	377	394	413	419	424	432	429	431	435	438	424	417	1	22	59	448	12 47	369	79
12				443	427	421	419	420	422	426	427	427	422	410	391	377	373	383	398	408	418	422	422	422	421	419	419	414	0	0	30	447	13 13	371	76
13	✓	✓		418	416	418	419	422	422	424	432	434	430	416	400	384	372	376	393	410	419	420	420	420	420	419	418	413	0	8	04	436	14 00	370	66
14	✓			416	416	415	416	417	417	419	427	436	435	429	410	388	386	387	398	408	419	423	422	423	423	423	423	416	0	8	53	438	14 00	384	54
15				423	417	414	414	414	415	418	429	437	437	424	408	401	389	387	396	406	414	420	425	428	428	433	428	417	0	8	55	439	14 02	386	53
16	✓	✓		420	417	419	417	417	418	421	428	432	432	420	400	378	373	378	394	410	419	420	420	422	422	422	420	413	0	9	00	433	13 16	371	62
17				418	416	415	414	414	415	419	430	434	434	427	407	385	376	382	392	402	411	415	418	420	420	420	419	413	0	9	15	435	13 35	374	61
18				416	414	413	412	411	414	418	429	435	431	415	392	372	370	382	398	410	420	424	430	430	426	425	422	413	0	8	30	436	12 52	367	69
19	✓			423	422	418	411	410	410	416	426	434	426	406	380	361	352	361	380	399	412	415	416	418	419	419	418	406	0	8	10	435	13 14	350	85
20	✓			417	414	412	410	410	410	415	419	422	422	415	395	381	380	388	395	403	412	417	418	419	420	420	423	410	0	8	58	425	13 00	377	48
21				421	416	412	412	411	412	416	424	430	427	413	393	379	365	365	379	393	409	415	414	416	419	421	421	408	0	8	54	433	14 05	361	72
22				419	417	415	414	414	412	416	418	425	420	410	391	371	363	375	387	400	409	415	417	419	419	419	418	408	0	8	11	429	13 22	359	70
23			✓	417	415	414	412	412	410	415	422	423	417	406	388	372	367	381	410	408	419	425	425	425	434	438	429	412	1	22	46	439	13 12	361	78
24				419	419	418	418	418	419	425	433	438	435	417	397	377	373	377	392	409	418	420	420	422	422	422	422	414	0	8	10	439	13 52	372	67
25	✓	✓		420	419	418	418	418	419	423	428	431	424	407	389	374	372	384	396	404	412	414	414	415	417	417	417	410	0	8	13	432	13 15	370	62
26			✓	417	416	416	416	416	419	423	428	417	404	384	357	337	342	362	392	412	426	425	434	449	455	437	438	409	1	21	23	462	12 31	334	128
27			✓	422	397	417	406	408	414	412	421	421	408	386	362	354	358	375	395	401	401	406	413	415	416	414	413	401	0	8	00	427	12 16	354	73
28				413	413	412	412	413	414	418	425	429	418	393	370	360	366	375	390	402	410	410	414	418	412	411	411	405	0	8	22	430	12 27	357	73
29			✓	408	408	408	408	411	414	417	421	417	417	401	377	365	366	378	394	409	419	419	422	431	435	420	414	407	1	21	30	438	12 50	360	78
30				411	407	407	402	410	414	419	428	435	431	408	375	353	351	359	375	395	409	413	415	421	414	417	416	404	0	8	50	439	12 55	350	89
31																																		
MEANS ALL DAYS				420	417	416	415	415	416	418	425	429	427	416	399	382	377	383	395	406	415	419	421	423	424	424	422	413							64
MEANS TEN DAYS ✱				420	419	418	416	416	417	419	426	432	432	423	407	390	382	386	395	406	415	418	419	420	422	422	421	414							56
MEANS FIVE DAYS (G. M. T.) †				419	418	417	416	417	417	418	426 424	431 427	431	421	406	391	382	385	395	406	415	418	419	420	421	421	420	414							
MEANS FIVE DAYS (G. M. T.) ‡				422	413	415	411	414	417	420	427	421	414	398	375	360	362	378	401	410	418	421	425	430	435	429	424	410							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 63

VERTICAL INTENSITY

50960 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1936

OCTOBER 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			416	415	415	415	416	417	425	435	441	435	419	386	365	364	374	390	407	424	429	430	424	421	421	418	413	0	8	44	12	52	361	82
2	✓	✓		417	415	413	414	417	420	425	429	432	423	403	377	360	356	361	377	397	413	417	420	421	423	424	424	407	0	8	09	13	00	355	78
3	✓	✓		419	415	413	413	413	418	426	435	435	422	397	370	353	352	366	388	407	418	420	422	423	424	426	426	408	0	8	08	13	22	350	89
4	✓			423	419	414	413	414	418	426	439	443	436	406	378	365	366	375	386	401	412	414	416	418	420	418	418	410	0	8	36	13	04	363	81
5				417	415	413	413	413	413	421	433	439	431	405	376	350	345	355	370	392	408	413	413	418	421	423	424	405	0	8	30	13	21	341	100
6				428	431	430	422	418	405	420	432	436	426	405	384	371	371	378	387	402	415	426	430	427	424	425	431	414	0	8	17	12	25	370	69
7				423	422	418	416	415	420	421	422	423	418	405	381	368	362	374	391	417	431	431	431	432	426	427	426	412	1	20	39	13	10	358	77
8				427	422	420	418	411	413	421	426	434	425	413	392	376	370	379	396	418	424	425	423	424	428	433	433	415	1	8	32	13	10	368	75
9				424	421	421	409	418	422	426	427	427	418	404	392	379	374	383	396	415	426	427	430	444	439	437	443	417	1	23	14	13	40	372	85
10			✓	430	425	428	424	422	425	430	441	448	428	409	396	396	402	413	426	448	468	461	456	456	462	452	448	433	1	17	44	11	49	392	82
11				440	438	437	435	437	441	452	460	456	435	410	391	375	377	387	405	425	435	434	434	435	434	433	433	427	0	7	38	12	46	373	88
12	✓			431	431	430	431	433	437	446	454	451	435	405	370	346	348	372	400	424	437	437	433	432	432	433	430	420	0	7	58	12	57	342	113
13				428	428	428	428	429	433	441	450	450	434	402	365	347	353	369	395	415	428	429	429	431	431	429	428	417	0	8	00	12	40	346	108
14				425	427	426	426	427	431	441	449	451	436	411	372	345	345	358	385	406	419	427	428	436	445	454	444	417	0	22	00	13	40	342	118
15				438	426	422	420	423	431	443	451	445	431	396	360	349	366	379	398	419	432	434	434	433	432	433	432	418	1	7	27	12	44	347	109
16			✓	427	425	423	425	427	427	439	448	461	452	435	407	386	378	384	405	425	431	430	436	436	435	434	430	425	1	8	00	13	41	376	89
17			✓	439	439	438	434	415	427	439	428	447	443	414	387	371	384	409	420	445	459	449	451	453	452	458	448	431	1	22	08	12	35	366	99
18				444	440	438	437	437	443	454	462	461	450	429	408	397	391	397	411	421	429	438	442	439	440	438	437	433	0	7	33	13	32	385	84
19				436	432	431	431	432	439	448	451	447	438	417	393	380	386	395	405	419	431	436	444	444	447	440	432	427	0	7	32	12	40	380	73
20				431	432	430	427	425	431	439	451	457	449	423	400	387	385	400	415	431	436	435	437	436	438	446	435	428	0	8	14	13	16	382	79
21	✓			441	439	432	427	426	432	441	449	450	444	426	403	390	389	398	411	424	432	438	437	437	441	441	439	429	0	8	26	13	16	388	66
22	✓	✓		434	430	429	428	429	433	439	447	453	451	433	410	392	383	387	400	416	425	430	432	433	438	437	437	426	0	8	28	13	50	382	73
23				434	433	430	430	430	430	434	442	446	444	432	415	405	400	405	412	416	421	425	427	429	430	433	437	427	0	9	06	13	35	399	48
24			✓	437	433	431	422	433	433	433	439	445	446	429	403	383	371	377	395	414	429	433	442	455	458	444	444	426	0	21	10	13	28	369	105
25				451	462	446	430	425	436	443	447	437	425	409	395	396	399	408	420	422	428	433	434	434	434	435	438	429	1	1	24	12	01	395	76
26				437	435	434	434	437	441	447	455	452	441	417	389	377	383	398	416	429	435	439	439	448	438	434	429	428	0	20	40	12	10	377	79
27	✓	✓		429	430	431	433	434	438	445	448	442	426	403	384	380	391	406	424	434	434	434	434	433	432	432	431	425	0	7	26	12	15	379	70
28	✓	✓		432	432	432	432	434	438	445	453	452	438	407	384	384	392	409	422	432	435	439	435	435	433	432	429	427	0	7	20	12	05	381	72
29	✓			431	430	431	432	435	440	448	456	455	445	415	382	372	377	396	419	436	440	436	436	437	437	436	433	427	0	7	54	12	28	371	88
30				432	429	429	429	432	438	448	455	450	436	409	394	383	387	398	419	437	443	437	434	433	434	434	432	427	0	7	32	12	50	381	80
31			✓	433	431	430	430	433	442	458	463	450	425	369	351	357	363	378	403	425	459	488	481	506	484	470	459	433	1	20	39	11	18	346	185
MEANS ALL DAYS				431	429	427	425	425	429	438	444	446	435	412	387	374	375	386	403	420	431	434	435	437	437	436	434	422							88
MEANS TEN DAYS ✲				427	426	424	424	425	429	437	444	445	436	411	384	371	372	384	402	418	427	429	430	429	430	430	428	419							81
MEANS FIVE DAYS † (G. M. T.)				428	426	424	424	425	429	436	442 445	443 446	432	409	385	374	375	386	402	417	425	428	429	429	430	430	429	419							
MEANS FIVE DAYS ‡ (G. M. T.)				446	445	440	435	432	440	450	453	450	439	411	389	379	380	392	410	431	449	452	453	461	458	452	446	433							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 64

VERTICAL INTENSITY

50960 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1936

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			456	444	440	440	444	454	463	466	456	438	414	394	389	393	407	421	434	441	444	444	445	448	450	449	436	0	7 02	469	12 49	388	81
2				448	444	439	439	441	443	452	456	458	446	422	400	389	387	400	417	430	436	439	438	440	442	439	439	433	0	8 15	461	13 10	385	76
3			✓	438	436	436	440	443	447	448	455	458	446	420	394	382	376	389	405	429	455	467	460	459	471	465	460	437	1	18 45	481	13 28	376	105
4				456	443	438	439	428	435	448	449	459	446	414	394	392	392	405	427	441	446	449	446	446	446	449	450	435	0	8 18	461	12 40	391	70
5				444	440	440	440	441	444	454	463	462	447	419	391	381	385	403	422	439	452	446	443	445	445	445	444	435	0	7 32	467	12 41	379	88
6				443	442	440	440	442	445	452	456	451	443	431	404	387	380	395	410	428	439	448	440	444	444	447	442	433	0	8 00	456	13 00	378	78
7				439	440	439	437	440	448	446	451	449	436	425	406	385	386	402	420	434	445	452	449	444	449	455	448	434	0	22 29	457	12 35	382	75
8				441	438	436	430	436	428	430	445	449	446	432	414	406	410	420	432	441	448	448	444	442	441	441	449	435	0	23 35	457	12 23	405	52
9				442	438	435	435	439	444	436	450	445	431	416	397	402	406	421	442	449	449	445	443	443	441	439	439	434	0	7 42	464	11 26	391	73
10				439	435	434	437	440	447	458	464	450	423	391	362	362	375	392	410	431	442	445	444	438	438	438	438	426	1	7 25	468	11 30	360	108
11			✓	434	431	432	430	436	446	451	453	452	438	419	397	375	378	395	418	436	454	460	460	461	468	458	456	435	1	21 50	478	12 50	372	106
12				454	424	431	439	436	426	425	447	453	443	426	406	402	407	418	433	444	447	447	444	444	443	447	443	435	0	0 18	459	11 50	399	60
13	✓	✓		438	434	437	433	437	448	458	462	458	436	410	380	367	372	388	412	431	441	442	440	440	440	440	439	428	0	7 25	465	12 55	367	98
14	✓			438	437	436	437	438	445	458	466	454	433	397	369	362	368	384	403	425	442	442	440	441	443	443	442	427	0	7 36	468	12 25	360	108
15			✓	438	435	434	434	438	446	458	469	465	435	390	370	373	381	397	418	442	446	450	452	460	462	474	453	434	1	22 38	478	11 47	366	112
16			✓	438	433	432	435	436	441	458	464	465	445	413	380	380	388	410	423	441	449	445	449	465	460	444	439	435	1	6 59	485	11 45	372	113
17				431	434	431	428	438	446	456	462	458	444	417	396	393	390	403	427	440	446	444	441	443	446	446	443	433	1	7 28	470	13 30	387	83
18				442	431	434	434	434	436	445	452	452	442	431	411	402	384	382	402	430	440	445	450	453	450	449	451	433	1	8 05	459	13 50	376	83
19				434	436	434	433	432	436	445	449	453	448	432	407	383	373	388	413	435	444	447	450	449	447	446	445	432	0	20 12	463	13 15	372	91
20	✓			443	434	431	434	432	438	442	450	452	444	433	412	399	391	399	418	440	451	453	454	456	461	456	453	436	0	21 21	463	13 40	389	74
21	✓			446	442	438	438	440	442	453	463	467	466	456	436	412	395	399	412	425	438	438	438	443	448	442	439	438	0	8 52	469	13 45	394	75
22	✓	✓		439	439	437	436	438	442	448	451	454	450	445	425	406	392	397	410	421	432	441	440	443	441	442	444	434	0	8 00	455	13 54	391	64
23	✓	✓		442	440	439	439	441	444	449	449	445	431	428	417	409	408	412	422	431	441	443	442	439	438	440	439	434	0	6 47	451	12 58	407	44
24	✓	✓		439	440	440	440	440	439	438	439	443	445	433	421	412	410	415	422	431	440	445	445	445	441	441	441	435	0	18 40	447	13 30	410	37
25	✓	✓		443	439	438	439	441	445	451	450	456	444	436	417	395	388	392	406	423	441	446	445	442	444	441	439	433	0	8 25	459	12 58	384	75
26				438	438	439	440	442	447	455	454	446	439	426	406	392	393	410	422	432	444	444	443	440	442	443	438	434	0	7 10	459	12 43	390	69
27	✓			440	436	436	435	444	448	446	449	446	437	425	416	409	404	417	431	441	447	445	443	444	444	444	442	436	0	7 39	454	13 02	399	55
28				442	439	438	440	441	449	458	451	438	423	412	397	388	391	408	424	438	447	443	439	439	440	439	438	432	0	6 58	462	11 00	386	76
29			✓	438	439	439	439	441	450	462	475	468	436	405	383	389	394	431	447	483	492	490	478	470	473	478	463	448	2	17 43	509	12 24	325	184
30				461	457	456	457	454	465	473	475	473	468	454	433	424	415	415	420	433	449	458	461	461	457	453	450	451	0	7 53	478	13 40	412	66
31																																		
MEANS ALL DAYS				442	438	437	437	439	444	451	456	454	442	422	401	392	390	403	420	436	446	448	447	447	448	448	445	435						83
MEANS TEN DAYS ✲				442	438	437	437	440	444	451	454	453	442	428	409	396	392	401	416	430	441	444	443	444	445	444	443	434						71
MEANS FIVE DAYS † (G. M. T.)				440	439	438	439	440	444	450	450 452	451 449	441	430	412	398	394	401	414	427	439	443	442	442	441	441	440	433						
MEANS FIVE DAYS ‡ (G. M. T.)				448	438	438	440	438	443	452	459	462	440	409	385	380	383	404	422	446	459	462	460	463	467	464	454	438						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 65

VERTICAL INTENSITY

50960 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1936 — DECEMBER 1936

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				450	445	444	445	448	455	459	467	468	457	429	407	399	400	406	423	441	455	460	462	459	460	457	457	444	0	8	10	471	12	36	396	75
2				453	447	445	441	442	450	462	473	471	457	433	409	395	390	399	419	442	451	451	447	448	451	453	452	441	0	7	40	480	13	22	389	91
3				450	446	443	440	442	445	441	442	459	475	467	430	408	399	408	421	437	448	455	452	451	455	459	459	443	0	9	30	477	13	30	398	79
4			✓	450	444	447	447	447	450	451	459	463	463	447	421	395	387	407	413	431	439	444	452	457	459	446	446	440	1	8	51	465	13	18	378	87
5				452	441	440	442	443	447	447	447	451	435	425	413	404	405	411	426	440	453	452	449	449	447	446	444	438	0	8	12	462	13	00	401	61
6				445	445	442	441	442	444	445	455	449	440	422	402	399	406	411	426	442	449	451	446	446	441	444	443	436	0	7	56	464	12	29	397	67
7				441	439	441	432	433	442	450	447	448	445	435	422	416	413	416	429	440	443	447	441	439	439	439	442	437	0	9	05	454	13	52	413	41
8				443	442	440	434	435	447	444	438	435	428	417	401	395	403	412	428	445	450	453	445	440	439	439	439	433	0	18	10	454	12	18	394	60
9	✓	✓		440	439	439	439	440	451	454	453	445	436	420	412	399	396	408	422	435	443	445	440	439	441	444	439	434	0	6	27	456	13	05	393	63
10	✓	✓		436	436	435	438	440	448	453	453	443	429	412	399	397	399	410	429	438	439	442	441	443	445	443	440	433	0	7	26	454	13	00	395	59
11	✓			437	437	438	440	443	449	457	461	451	429	400	387	385	388	403	421	442	453	455	448	443	441	438	439	433	0	7	48	462	12	55	383	79
12			✓	438	435	438	439	442	444	451	463	457	434	400	370	357	352	383	416	437	450	453	443	439	431	439	439	427	1	7	36	465	13	05	348	117
13			✓	440	435	435	439	441	449	459	467	458	430	405	367	357	361	372	402	424	440	448	444	440	439	438	435	426	1	7	28	472	12	10	353	119
14				433	430	430	438	442	450	449	455	457	443	426	419	409	402	414	422	432	442	442	441	443	446	447	438	435	1	8	05	463	13	29	401	62
15				439	431	432	434	438	444	451	460	458	436	416	389	375	381	392	413	428	436	440	443	447	444	441	439	429	0	7	44	465	12	41	373	92
16	✓			434	432	431	431	433	440	450	458	460	449	425	398	382	382	389	405	418	429	437	436	436	437	439	439	428	0	8	15	463	12	59	379	84
17	✓			436	433	432	433	434	438	449	458	462	451	425	393	382	385	399	410	421	433	436	434	436	439	441	438	429	0	8	30	463	13	07	381	82
18	✓			436	435	431	433	433	437	445	450	446	440	420	398	380	376	382	399	417	430	436	436	439	446	441	437	426	0	7	32	451	13	30	375	76
19	✓	✓		439	436	433	432	432	436	441	450	448	432	405	380	377	380	388	405	425	437	439	434	434	437	439	439	425	0	7	45	452	11	50	375	77
20				439	435	435	435	434	437	445	451	448	433	410	390	392	398	408	421	434	444	444	439	442	446	445	441	431	0	8	00	455	11	35	388	67
21				440	440	441	441	438	446	455	455	453	433	412	392	389	395	402	412	425	437	441	441	441	446	444	447	432	0	8	05	462	12	08	387	75
22	✓	✓		441	440	436	435	435	441	441	442	433	427	414	410	410	409	412	420	436	441	441	438	436	436	438	437	431	0	7	01	446	12	51	408	38
23	✓			438	437	437	437	437	441	443	446	447	445	428	416	411	412	416	424	431	444	448	442	436	437	438	438	435	0	18	00	451	12	45	409	42
24	✓	✓		442	438	437	436	441	443	443	438	435	430	421	413	405	408	405	409	419	429	440	441	438	437	438	438	430	0	0	32	446	12	45	404	42
25				437	436	437	438	439	440	443	442	437	432	419	400	394	391	398	415	428	439	442	441	439	438	437	436	429	0	6	32	444	13	20	391	53
26				437	436	433	439	440	451	455	455	454	442	406	378	369	377	393	414	430	439	440	437	436	437	436	436	428	0	8	04	458	12	13	368	90
27			✓	436	432	432	434	437	446	450	450	448	438	421	407	398	402	409	422	437	444	454	449	449	451	451	446	435	1	18	54	457	12	56	395	62
28			✓	442	441	435	447	445	438	454	464	460	445	420	389	369	388	406	434	453	458	481	499	482	480	489	475	446	1	19	45	511	12	28	362	149
29				465	454	447	448	453	469	486	488	482	457	421	391	383	395	406	421	434	450	456	461	458	459	463	463	446	0	6	35	494	12	12	379	115
30				458	448	446	447	448	452	459	471	476	467	445	415	391	395	404	420	428	442	452	451	449	450	451	450	442	0	8	20	478	12	40	389	89
31				447	446	448	452	453	457	460	469	483	476	450	411	387	374	381	395	410	433	449	450	450	450	450	448	439	0	9	01	486	13	50	371	115
MEANS ALL DAYS				442	439	438	439	440	446	451	456	454	443	422	401	391	392	402	417	432	443	448	446	445	445	446	444	434								78
MEANS TEN DAYS *				438	436	435	435	437	442	448	451	447	437	417	401	393	394	401	414	428	438	442	439	438	440	440	438	430								64
MEANS FIVE DAYS † (G. M. T.)				437	436	436	438	439	443	448	447 451	441 445	431	414	403	398	398	405	417	431	438	441	439	438	439	440	439	431								
MEANS FIVE DAYS ‡ (G. M. T.)				446	440	437	443	445	451	459	464	457	442	419	391	375	378	395	417	436	446	456	457	453	452	453	448	436								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 66

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1937

JANUARY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		338	337	336	336	338	337	350	375	395	411	406	382	356	327	307	294	286	296	316	327	330	332	336	339	341	0	10 00	415	16 10	286	129
2				341	340	339	341	343	351	367	385	417	448	444	406	351	316	301	302	313	310	319	327	327	329	335	337	350	0	10 10	454	15 05	296	158
3				338	337	336	336	340	348	351	334	360	383	381	344	313	301	298	306	316	327	336	345	345	340	346	345	338	0	9 27	389	14 20	296	93
4				339	339	340	340	343	348	359	378	399	420	419	399	365	330	308	295	296	307	327	331	332	337	335	337	347	0	9 38	429	15 28	291	138
5	✓			339	328	334	346	349	359	369	372	379	389	389	376	356	328	316	322	325	324	320	327	332	337	339	340	346	0	9 39	391	14 40	314	77
6	✓			342	337	347	345	347	353	361	376	391	396	385	349	318	302	296	313	327	336	337	332	332	330	335	337	343	0	8 54	401	14 05	293	108
7			✓	338	340	343	340	344	350	357	359	358	360	346	335	325	323	316	324	331	335	329	324	323	327	331	347	338	1	7 43	367	14 55	315	52
8				367	399	415	389	397	397	401	402	427	410	359	315	287	292	306	317	323	327	330	330	332	337	339	346	356	0	8 29	443	12 40	286	157
9			✓	348	353	357	357	356	361	376	381	402	401	374	336	324	332	327	337	345	358	358	331	320	327	334	337	351	1	9 24	410	20 10	314	96
10			✓	337	338	337	340	355	360	383	391	399	400	368	324	296	281	276	286	293	304	317	365	347	355	345	353	340	1	9 40	408	14 38	270	138
11				347	350	348	338	346	340	365	384	398	400	383	341	325	305	289	298	307	315	320	326	324	337	353	348	341	1	9 05	411	14 50	287	124
12				346	338	337	340	342	347	368	380	398	399	374	344	324	316	317	325	326	327	330	327	332	336	340	370	345	1	8 31	412	13 40	314	98
13				371	350	348	353	359	369	380	394	409	405	370	329	297	282	280	299	312	322	337	340	347	337	335	337	344	0	8 46	426	14 35	275	151
14				337	338	343	346	345	353	377	394	406	402	370	338	319	304	306	311	316	320	327	337	330	335	337	338	343	0	8 22	410	13 40	301	109
15	✓	✓		338	339	340	347	350	366	383	406	419	413	387	344	311	287	283	290	297	321	327	325	328	329	334	336	342	0	8 30	426	14 20	281	145
16	✓	✓		338	339	338	344	350	359	378	397	400	410	383	337	312	293	291	307	327	337	334	327	329	337	338	338	343	0	9 35	411	14 20	288	123
17				337	337	337	339	345	358	384	411	434	431	367	297	262	245	244	263	298	329	334	325	327	328	331	335	333	0	8 50	442	13 52	242	200
18	✓			337	337	335	335	338	353	376	400	422	431	381	340	314	285	274	279	288	303	324	327	330	337	338	338	338	0	9 30	438	14 30	272	166
19	✓			343	338	337	338	341	353	371	395	417	421	396	351	312	286	273	284	297	307	317	319	324	330	338	338	339	0	9 03	426	14 30	272	154
20				338	335	340	339	343	350	367	390	407	411	391	354	319	305	296	296	303	316	327	326	327	336	349	357	343	0	9 10	414	15 18	293	121
21				357	349	351	351	354	358	379	406	408	405	389	345	308	286	273	277	295	305	318	327	332	337	334	334	341	1	7 52	429	14 50	267	162
22				346	353	345	346	344	342	348	377	408	417	389	347	327	317	307	301	305	318	329	329	333	332	335	335	343	0	8 42	423	15 30	299	124
23	✓	✓		335	334	334	337	338	350	370	391	409	399	373	340	326	309	307	315	322	330	329	325	324	326	328	337	341	0	8 34	412	14 35	306	106
24	✓			337	337	337	337	337	350	367	381	387	389	365	329	294	273	264	274	294	307	323	331	331	329	334	335	331	0	9 15	395	14 38	264	131
25	✓	✓		337	337	338	340	343	341	355	374	389	388	368	345	315	283	272	286	298	313	325	328	326	324	327	332	333	0	8 48	394	14 10	268	126
26				337	340	345	347	348	357	381	405	414	409	381	350	327	307	297	296	293	307	321	325	322	325	329	333	342	0	8 40	419	16 03	284	135
27			✓	336	337	338	341	347	354	381	408	418	403	351	288	251	254	272	296	314	317	321	338	333	327	328	332	333	1	8 44	420	12 50	242	178
28				349	345	347	346	357	375	400	410	451	449	408	355	319	296	294	306	323	331	337	338	339	339	346	348	354	1	9 00	458	14 46	286	172
29				350	352	361	368	368	382	407	415	421	400	358	327	299	284	276	294	308	317	324	327	329	327	333	338	344	0	8 05	431	14 43	275	156
30			✓	338	340	344	348	352	363	386	411	429	425	381	329	286	264	262	286	304	314	323	322	322	329	338	380	341	1	9 10	434	14 10	257	177
31				386	352	358	360	358	378	410	441	465	458	411	356	303	268	252	270	298	322	330	327	326	328	329	330	351	0	9 05	476	14 40	250	226
MEANS ALL DAYS				344	343	345	345	349	357	374	391	408	409	382	344	314	296	290	298	309	319	327	330	330	333	336	342	342						136
MEANS TEN DAYS ✲				338	336	338	340	343	352	368	387	401	405	383	349	321	297	288	296	306	317	325	327	329	331	335	337	340						126
MEANS FIVE DAYS † (G. M. T.)				338	339	339	342	345	355	375	389 396	402 410	404	383	350	324	300	292	298	306	319	326	326	327	330	333	336	341						
MEANS FIVE DAYS ‡ (G. M. T.)				357	357	361	355	363	370	392	406	401	398	364	322	296	291	291	306	317	326	330	336	329	333	335	350	345						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 67

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1937

FEBRUARY 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			332	335	337	341	347	357	377	408	441	458	399	329	286	254	246	261	287	320	324	327	332	337	346	339	338	0	9 21	469	14 32	244	225
2				336	336	337	339	341	356	385	421	451	440	394	349	316	284	260	262	276	299	315	319	325	327	334	339	339	0	8 55	458	14 46	255	203
3			✓	344	342	342	342	344	348	368	410	448	424	367	306	302	271	255	286	287	304	317	318	324	327	330	336	335	1	8 44	470	14 44	240	230
4				347	389	411	383	360	378	400	410	419	407	379	348	332	310	296	294	302	322	333	339	354	347	341	346	356	1	2 09	451	15 12	293	158
5			✓	348	342	337	346	348	355	376	391	407	416	407	376	348	323	313	307	306	314	317	319	331	337	334	334	347	1	9 16	432	16 25	301	131
6				345	329	335	319	296	339	357	379	392	399	391	378	348	327	310	306	310	328	350	337	338	352	359	348	345	1	9 15	410	4 19	278	132
7	✓			337	335	328	322	317	340	369	391	399	386	355	327	307	294	297	308	319	332	335	341	339	336	336	334	337	0	8 01	404	13 55	291	113
8	✓	✓		337	336	337	337	332	337	366	396	402	390	367	346	324	306	298	309	320	330	330	330	334	330	333	335	340	0	8 02	408	14 19	296	112
9			✓	336	337	338	336	336	339	362	379	390	388	359	329	307	292	284	294	313	320	321	327	331	348	386	371	338	1	22 22	407	14 51	277	130
10				372	375	387	383	392	400	370	412	434	424	388	345	314	284	272	277	294	304	306	314	317	337	347	348	350	1	9 12	442	14 51	266	176
11				341	341	344	352	350	355	357	383	412	400	389	338	304	286	281	296	314	329	332	328	345	336	352	344	342	1	8 20	433	13 58	273	160
12				337	338	338	336	324	335	358	385	409	418	404	366	317	273	246	247	266	297	318	321	326	328	335	348	332	1	9 06	434	14 40	244	190
13				356	369	353	360	350	327	350	378	405	419	410	361	316	285	273	267	278	297	311	314	328	330	349	346	339	1	9 33	421	15 00	264	157
14	✓			357	347	335	328	329	333	334	349	365	388	398	381	338	306	293	289	303	316	327	325	327	327	330	332	336	0	10 08	406	15 04	286	120
15				347	362	367	354	330	333	344	365	374	409	418	395	347	314	296	296	307	322	327	327	343	343	346	354	347	0	10 03	425	14 56	290	135
16				357	347	337	316	337	343	357	380	409	434	438	420	365	303	275	274	287	311	327	334	337	353	352	357	348	0	9 45	446	15 49	273	173
17				360	340	338	337	337	337	340	361	399	421	429	400	354	307	275	265	276	296	317	317	322	347	355	353	341	0	10 05	437	14 55	264	173
18				348	352	335	332	337	329	325	347	383	393	393	384	365	325	298	289	288	302	316	327	338	331	337	342	338	1	10 39	400	16 00	285	115
19			✓	338	337	337	338	337	317	338	367	401	409	412	400	357	316	270	237	224	234	261	285	313	325	328	335	326	1	9 50	432	16 55	222	210
20				371	378	348	349	347	349	365	395	409	418	409	378	337	293	281	273	276	295	305	306	315	319	323	332	340	1	9 10	427	15 42	272	155
21			✓	337	337	332	327	317	326	339	363	398	422	422	398	348	303	276	266	271	285	300	309	315	323	332	347	333	1	9 47	432	14 55	265	167
22				343	337	332	308	319	337	348	375	410	428	416	386	328	276	255	244	259	285	307	313	318	340	336	338	331	0	10 00	429	15 20	243	186
23	✓	✓		337	338	341	337	342	348	353	386	424	439	425	383	321	271	260	258	275	298	317	322	323	326	328	329	337	0	9 33	442	15 30	254	188
24	✓	✓		332	332	333	335	336	340	345	370	420	446	441	409	334	268	244	245	252	285	303	306	312	317	327	334	332	0	9 48	450	16 17	240	210
25	✓			333	336	333	332	336	342	356	387	439	460	454	400	314	254	237	244	266	292	307	309	313	318	326	328	334	0	10 00	468	15 05	234	234
26	✓	✓		330	330	332	333	336	337	349	382	418	429	421	390	338	265	234	239	264	285	302	311	312	318	325	326	329	0	9 56	435	14 50	226	209
27	✓	✓		329	333	337	338	339	342	357	387	428	454	449	407	328	282	257	260	276	302	315	315	317	336	336	336	340	0	9 23	458	14 40	254	204
28	✓			336	336	336	337	338	345	362	396	435	448	423	387	339	306	285	283	280	298	306	309	313	316	323	337	341	0	8 55	451	15 00	274	177
29																																		
30																																		
31																																		
MEANS ALL DAYS				344	344	343	339	338	344	357	384	411	420	406	372	330	292	274	274	285	304	316	320	326	333	339	341	339						170
MEANS TEN DAYS ✻				336	336	335	334	335	342	357	385	417	430	413	376	323	281	265	270	284	306	317	320	322	326	331	333	336						179
MEANS FIVE DAYS † (G. M. T.)				333	335	335	336	337	342	356	384 384	418 422	432	421	387	329	278	259	262	277	300	313	317	320	325	330	332	336						
MEANS FIVE DAYS ‡ (G. M. T.)				356	362	363	348	343	361	368	394	409	412	393	362	332	301	280	278	280	291	303	312	323	332	342	345	341						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⧖ = NO RECORD

TABLE 68

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1937 | MARCH 1937

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	337	343	350	347	344	347	362	386	400	399	408	388	347	306	280	267	258	277	280	295	311	316	327	336	334	1	10	01 419	16	40 246	173
2				334	346	336	338	317	309	314	376	409	419	409	387	332	295	271	259	286	314	345	343	327	334	362	358	338	1	9	44 458	15	14 251	207
3	✓	✓		357	354	337	329	337	348	362	379	388	404	398	370	337	306	294	287	296	308	318	318	318	323	326	328	338	0	9	45 409	15	20 287	122
4				328	332	334	337	337	343	347	367	391	409	406	375	332	296	275	268	276	290	304	310	313	313	323	326	330	0	9	54 411	15	30 267	144
5			✓	327	329	331	331	337	339	347	371	397	419	408	387	349	316	294	278	275	286	331	340	356	377	397	357	345	1	9	49 428	16	18 266	162
6	✓			354	346	353	339	344	336	336	355	378	385	369	350	329	314	307	306	316	320	325	319	322	326	327	328	337	0	9	52 398	15	04 305	93
7	✓	✓		329	330	332	333	336	337	349	373	399	412	391	358	330	307	296	291	294	304	315	317	318	319	324	327	334	0	9	32 415	15	50 289	126
8	✓	✓		327	328	330	330	334	337	346	365	391	411	408	378	337	305	286	286	301	314	317	317	318	319	325	327	335	0	10	01 416	14	50 284	132
9	✓			328	329	329	331	333	337	342	361	374	381	380	356	317	303	292	283	286	306	317	316	317	318	322	330	329	0	9	21 396	15	37 278	118
10	✓			328	327	328	327	337	344	358	386	392	386	354	322	296	284	277	277	286	296	308	315	316	317	319	322	325	0	9	01 402	14	30 275	127
11		✓		328	334	337	338	337	338	349	369	391	407	390	357	310	286	277	286	297	310	314	313	316	317	319	325	331	0	9	42 411	14	30 276	135
12	✓	✓		327	328	329	335	337	340	350	381	413	427	415	377	319	289	275	274	286	303	312	313	317	318	323	326	334	0	9	40 429	15	15 272	157
13				327	328	331	333	335	339	349	370	395	408	385	334	294	268	268	275	290	306	306	307	312	317	320	327	326	0	9	30 409	14	02 263	146
14				336	348	348	340	349	356	353	358	366	387	386	347	327	296	284	286	294	311	337	327	323	324	327	331	335	1	10	20 425	14	50 282	143
15			✓	340	327	340	336	332	339	340	354	369	376	366	343	317	293	275	265	275	295	287	275	348	350	364	335	327	1	21	45 453	19	11 260	193
16				330	338	341	343	344	348	360	375	389	382	366	342	317	298	293	296	304	316	317	317	318	319	323	327	333	0	9	13 402	14	19 289	113
17				328	337	347	330	337	332	348	368	386	400	382	342	304	286	275	286	300	317	322	318	322	325	327	327	331	0	9	02 407	14	35 273	134
18	✓			327	327	319	326	330	317	337	363	387	397	378	348	320	294	279	286	304	319	329	322	320	322	324	326	329	0	9	18 401	14	25 275	126
19	✓			335	336	330	328	328	323	332	357	377	385	378	358	328	296	277	280	292	307	316	318	318	322	324	328	328	0	8	59 387	14	40 275	112
20	✓			329	332	329	329	329	325	336	368	388	403	387	347	318	298	294	294	300	313	318	318	319	319	323	327	331	0	9	52 408	15	20 290	118
21				329	332	328	328	329	329	327	349	377	389	378	358	330	307	293	289	297	309	314	315	316	319	321	335	329	0	9	22 390	15	20 287	103
22				345	329	323	328	333	337	345	375	391	409	399	364	314	285	270	258	275	289	299	301	348	349	344	339	331	1	9	39 415	15	20 253	162
23				347	342	339	336	326	334	347	368	375	388	376	357	327	298	284	275	284	306	319	317	316	337	334	328	332	0	9	30 395	15	30 270	125
24				330	329	329	334	332	337	338	356	378	388	379	368	340	315	292	283	286	294	309	314	317	318	324	324	330	0	9	40 395	15	20 276	119
25				329	328	319	316	332	334	321	344	366	379	379	362	338	308	285	277	283	311	308	315	316	319	322	327	326	0	10	10 388	16	10 275	113
26				328	329	332	329	332	332	338	355	376	388	387	366	338	309	298	296	299	306	308	311	315	323	326	327	331	0	10	07 392	15	00 294	98
27			✓	328	330	332	332	333	341	354	383	357	360	376	347	314	285	271	267	270	280	299	305	363	339	357	346	328	1	20	32 426	16	40 257	169
28				334	332	330	330	335	342	329	360	388	388	368	341	304	275	265	275	296	296	306	317	322	325	330	327	326	1	9	07 412	14	34 260	152
29				327	326	329	331	327	311	325	348	385	400	386	342	306	281	280	296	308	317	317	317	320	324	325	326	327	0	10	00 401	13	47 275	126
30				327	326	325	326	329	332	331	361	386	389	368	328	294	273	266	273	287	306	315	316	318	318	319	324	322	0	9	28 397	14	11 265	132
31			✓	327	325	327	317	346	346	354	371	390	405	378	347	316	275	253	285	256	298	315	306	327	343	338	338	328	1	9	09 412	16	44 214	198
MEANS ALL DAYS				332	333	333	332	334	336	343	366	385	396	385	356	322	295	281	281	289	304	314	315	323	326	331	331	331						138
MEANS TEN DAYS ✲				334	334	332	331	334	334	345	369	389	399	386	356	323	300	288	286	296	309	318	317	318	320	324	327	332						123
MEANS FIVE DAYS (G. M. T.) †				327	329	331	333	335	339	347	373 369	396 393	412	400	368	327	299	286	285	295	308	315	316	317	319	323	327	333						
MEANS FIVE DAYS (G. M. T.) ‡				340	340	341	338	344	335	339	366	383	392	387	362	329	295	275	272	267	287	302	304	341	345	357	342	333						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE. MAGNETIC STORM
= INTERPOLATED
= ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 69

DECLINATION

APRIL 1937

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				346	340	347	341	376	342	355	365	383	398	396	368	336	307	292	286	296	314	320	323	320	322	326	328	339	0	4	07	404	15 56	283	121
2				328	329	327	327	326	326	317	343	368	379	390	378	347	315	289	281	295	309	334	320	320	322	323	326	330	1	10	40	398	16 32	272	126
3				327	323	349	361	339	310	318	334	370	376	363	354	317	297	281	284	296	307	309	338	326	336	348	346	330	1	9	30	384	14 26	268	116
4				338	338	338	337	317	321	316	339	369	387	383	356	324	302	296	296	301	315	314	317	320	336	325	336	330	0	9	56	393	13 55	293	100
5	✓			336	336	343	332	342	339	342	359	379	388	375	354	328	308	300	297	304	307	314	317	317	322	325	326	333	0	9	29	396	15 36	296	100
6	✓			327	325	325	324	328	330	338	348	367	377	376	357	327	306	293	286	287	296	307	313	315	321	322	321	326	0	10	23	380	15 53	285	95
7	✓			322	322	322	324	326	328	336	348	365	368	365	345	310	293	285	284	287	296	305	307	316	319	322	323	322	0	9	59	374	15 00	280	94
8	✓	✓		324	326	327	327	329	332	336	347	361	369	358	338	314	296	291	292	296	303	309	317	319	321	322	324	324	0	9	15	378	15 00	287	91
9		✓		326	326	327	327	327	329	336	350	368	385	377	355	322	296	285	286	296	306	308	312	317	322	324	331	327	0	9	44	390	14 45	282	108
10	✓	✓		326	326	326	325	327	327	334	348	368	380	377	348	315	294	286	291	298	304	309	314	317	319	321	323	325	0	9	55	386	14 30	286	100
11	✓			325	326	326	327	327	326	335	352	379	381	364	348	327	302	292	291	296	306	312	317	319	323	326	328	327	0	8	56	390	15 54	286	104
12				329	337	329	328	328	329	334	343	356	358	356	346	322	307	301	300	299	303	309	313	316	332	349	372	329	1	23	19	388	16 56	294	94
13	✓			362	362	330	348	307	336	329	357	338	349	358	348	335	317	305	306	303	307	312	316	325	324	326	327	330	0	10	05	359	14 32	295	64
14	✓	✓		327	328	330	323	328	317	326	338	354	356	349	338	317	307	304	303	307	310	316	317	318	320	322	322	324	0	9	00	358	15 50	300	58
15	✓			326	326	325	322	327	326	329	338	358	368	366	346	326	314	306	304	304	306	314	317	322	324	327	330	327	0	9	50	369	15 10	304	65
16		✓		327	325	326	328	327	328	330	338	357	365	359	342	316	296	290	295	303	308	315	327	320	323	326	327	325	0	9	30	368	14 24	288	80
17				328	328	326	324	326	327	335	352	368	372	367	342	316	295	289	289	295	301	312	315	320	326	325	324	325	0	9	22	377	15 08	286	91
18				327	327	327	328	329	330	336	338	363	377	349	333	315	295	296	294	296	307	312	314	318	326	326	328	325	0	9	40	383	13 22	286	97
19				338	329	329	327	327	328	333	340	358	367	355	328	301	286	281	279	289	299	307	311	317	320	327	327	321	0	9	30	371	15 53	266	105
20				327	336	333	332	327	332	337	348	358	365	363	338	320	298	287	286	288	302	307	317	319	319	326	327	325	0	10	10	371	14 34	276	95
21				328	334	330	324	327	327	330	343	368	381	356	339	317	297	275	279	278	295	304	305	317	317	327	328	322	1	9	14	391	14 55	266	125
22	✓			327	327	326	326	326	325	327	337	358	372	378	368	344	317	300	294	297	304	306	308	315	318	322	324	327	0	9	49	379	15 20	291	88
23				319	319	318	321	318	321	325	329	358	378	376	355	320	299	290	291	297	307	310	315	317	317	322	326	323	0	9	54	381	15 07	284	97
24			✓	326	322	322	310	317	326	329	337	361	374	369	360	309	286	278	277	281	297	306	312	317	321	325	324	320	1	11	09	376	16 00	276	100
25			✓	327	327	326	327	346	340	279	274	270	319	369	349	317	300	297	288	309	316	320	322	328	328	331	335	318	1	10	37	378	15 34	256	122
26			✓	335	328	318	324	324	346	340	331	357	370	379	358	336	316	295	287	295	307	314	317	323	325	323	323	328	1	10	15	401	3 33	174	227
27			✓	322	317	293	288	309	299	124	334	348	321	351	363	340	340	318	314	312	316	317	324	327	328	330	327	315	1	9	02	396	6 31	−6	402
28			✓	330	327	315	307	307	305	284	300	320	394	390	358	335	306	309	272	303	338	390	369	386	391	372	327	335	2	18	45	500	15 36	223	277
29				334	284	312	314	325	331	337	348	379	381	376	355	326	307	308	303	309	326	317	326	335	330	332	330	330	1	8	54	391	1 38	208	183
30				338	318	318	316	294	292	291	298	321	350	370	358	339	321	315	309	314	318	327	328	328	332	332	334	323	1	10	07	381	4 56	276	105
31																																			
MEANS ALL DAYS				330	327	326	326	326	326	321	339	358	370	369	351	324	304	294	291	298	308	315	319	322	326	328	329	326							121
MEANS TEN DAYS ✻				330	330	328	328	327	329	333	347	363	371	367	349	324	305	296	295	298	304	310	314	318	321	324	325	326							86
MEANS FIVE DAYS † (G. M. T.)				326	326	326	325	327	327	334	344 348	362 368	371	364	344	317	298	291	293	300	306	311	317	318	321	323	325	325							
MEANS FIVE DAYS ‡ (G. M. T.)				330	317	313	312	322	324	273	317	331	356	372	358	327	310	299	288	300	315	329	329	336	339	336	327	323							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
⊡ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 70

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1937 — MAY 1937

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				336	333	327	318	319	306	288	296	326	350	354	348	335	322	298	288	302	313	321	330	326	346	327	327	322	1	21	24 364	6	45 283	81
2	✓			326	327	317	327	328	325	319	340	351	362	353	337	326	317	301	300	298	306	314	317	319	320	325	328	324	0	9	30 368	2	30 295	73
3				326	324	323	323	318	319	321	325	338	349	350	346	327	306	291	286	296	306	312	317	319	323	327	326	321	0	10	31 356	15	19 284	72
4			✓	335	328	327	315	314	322	327	325	345	356	344	327	318	306	296	294	303	307	312	317	318	319	319	318	320	1	9	54 358	15	04 289	69
5			✓	317	301	327	326	275	287	296	298	284	274	286	306	299	301	291	295	285	287	316	337	348	345	353	378	309	1	23	28 388	14	57 242	146
6	✓	✓		348	332	332	331	332	333	337	355	368	374	362	347	328	308	299	295	296	306	316	320	325	325	326	325	330	0	9	40 378	16	00 292	86
7	✓	✓		325	322	321	321	322	323	325	329	346	352	351	337	324	314	305	297	297	307	316	317	319	322	327	328	323	0	10	30 357	15	45 296	61
8	✓			328	325	325	325	321	320	321	324	337	350	352	342	327	313	296	291	294	303	309	317	321	325	330	330	322	0	9	48 358	15	44 290	68
9				327	327	325	322	323	323	325	326	346	365	370	360	328	306	289	281	287	300	301	316	327	339	338	339	325	0	10	20 373	15	59 276	97
10				337	329	325	311	310	323	328	336	343	357	357	345	327	308	304	295	302	313	323	321	321	325	333	327	325	1	9	52 367	15	56 292	75
11				332	332	323	305	326	324	326	327	315	332	343	328	314	304	293	285	295	311	311	324	334	336	340	338	321	0	10	23 348	15	48 284	64
12	✓			318	316	319	319	323	325	326	332	337	343	343	335	319	306	300	295	295	310	315	316	319	324	324	325	320	0	10	10 347	15	36 289	58
13				325	320	319	320	323	324	325	324	329	336	338	335	324	304	285	290	294	304	313	318	321	322	325	327	319	0	10	20 341	14	28 276	65
14				327	326	323	319	321	322	324	329	341	346	336	323	316	304	288	274	285	305	312	309	325	326	325	327	318	0	9	20 348	15	52 263	85
15				333	348	345	328	330	330	333	331	341	357	357	337	326	310	303	290	292	303	308	310	321	327	326	327	326	0	9	40 366	16	04 286	80
16	✓			332	326	326	324	324	323	331	335	325	336	341	333	327	303	284	285	285	301	316	310	314	322	325	331	319	1	11	11 348	14	37 273	75
17				335	332	329	327	324	327	327	329	344	351	350	343	332	306	285	283	287	302	310	315	317	322	325	325	322	0	9	57 356	15	20 275	81
18		✓		325	318	323	322	322	323	326	328	346	356	357	346	320	295	284	275	284	300	312	315	318	321	323	324	319	0	10	41 359	15	50 274	85
19				323	321	322	322	328	326	329	337	352	357	357	343	316	295	283	273	283	297	292	306	322	326	326	327	319	0	10	16 363	15	49 264	99
20	✓	✓		327	324	325	325	326	327	328	336	352	357	347	326	305	294	284	283	295	305	307	304	312	319	325	326	319	0	9	40 359	15	05 278	81
21	✓			326	326	326	326	327	331	329	336	352	363	360	347	322	305	298	294	295	305	308	312	316	319	322	322	324	0	10	00 365	16	15 291	74
22	✓			323	320	318	327	327	325	322	317	332	344	347	343	326	315	303	295	295	303	305	304	316	318	323	326	320	0	10	10 349	19	11 288	61
23	✓	✓		326	320	321	317	318	318	318	321	337	354	357	345	323	300	284	283	295	305	314	316	318	322	325	328	319	0	10	12 359	15	14 275	84
24				327	327	326	325	323	323	326	336	357	367	357	336	310	295	285	285	299	307	315	316	317	319	323	324	322	0	9	12 369	15	00 281	88
25				323	323	321	323	318	325	326	327	343	356	356	329	306	302	284	274	279	290	302	311	317	325	325	327	317	0	10	04 374	15	27 273	101
26				325	327	325	315	316	298	303	316	327	328	347	341	320	303	292	284	289	298	315	320	326	329	326	325	316	0	10	53 357	15	43 274	83
27			✓	323	320	316	313	316	315	321	326	338	344	337	323	307	304	305	297	297	305	310	316	321	342	326	334	319	1	21	28 367	16	20 286	81
28			✓	331	344	340	330	295	306	304	289	296	335	327	320	295	302	316	316	308	329	339	333	338	367	346	352	323	1	21	47 398	8	01 264	134
29			✓	335	337	361	357	326	327	283	283	316	321	326	323	322	326	305	305	313	342	317	326	326	333	333	326	324	1	2	10 379	6	43 264	115
30				320	323	326	326	317	283	305	305	317	334	333	326	316	304	295	294	298	316	316	316	336	333	330	336	317	0	20	34 345	5	35 255	90
31				335	330	325	319	322	324	319	312	323	346	320	333	326	312	305	303	305	316	321	321	322	323	323	322	321	0	9	35 354	15	50 298	56
MEANS ALL DAYS				328	326	326	323	320	320	320	324	336	347	346	336	320	306	295	290	294	307	313	317	323	328	328	330	321						83
MEANS TEN DAYS ✻				328	324	323	324	325	325	326	332	344	354	351	339	323	308	295	292	294	305	312	313	318	322	325	327	322						72
MEANS FIVE DAYS † (G. M. T.)				326	324	324	324	324	325	326	334 332	350 349	359	355	340	320	302	291	287	293	305	313	314	318	322	325	326	322						
MEANS FIVE DAYS ‡ (G. M. T.)				330	327	337	334	309	307	305	306	316	326	324	320	308	308	303	301	301	314	319	326	330	341	335	342	320						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 71

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1937 — JUNE 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			319	318	317	315	316	317	316	312	322	332	336	336	328	324	306	296	299	312	325	319	325	327	330	326	320	0	11	12	341	15 52	295	46
2	✓			325	316	317	305	315	318	318	317	330	341	340	339	332	324	308	295	298	306	315	324	315	323	323	325	320	0	9	45	347	3 37	286	61
3	✓			323	320	319	317	314	310	306	314	326	326	345	344	326	315	305	303	305	306	315	316	319	325	325	323	319	0	11	15	347	14 34	299	48
4	✓			316	316	312	315	316	318	318	319	326	336	344	345	333	318	305	295	295	304	306	315	321	326	326	328	319	0	11	20	347	16 00	293	54
5			✓	331	333	331	326	326	326	326	323	325	328	334	329	317	304	286	285	290	306	316	315	331	338	337	338	321	1	21	00	347	14 37	275	72
6			✓	343	342	347	336	318	315	260	273	293	320	294	316	317	304	292	293	282	292	297	295	325	346	339	365	313	1	23	22	380	6 39	243	137
7				369	335	321	319	306	303	316	321	326	347	354	346	329	316	303	295	300	310	324	319	326	336	345	344	325	0	0	38	381	5 05	293	88
8	✓			340	325	324	317	305	306	312	305	317	327	343	343	326	312	303	295	301	306	312	316	320	324	325	325	318	0	10	57	347	15 00	295	52
9		✓		322	316	310	306	311	314	313	300	305	326	336	335	324	306	295	289	292	304	305	310	316	321	324	323	313	0	10	40	337	15 50	285	52
10				320	319	318	317	316	315	315	310	323	336	346	344	334	316	301	275	273	291	303	308	316	324	326	325	315	1	11	08	347	16 33	267	80
11	✓	✓		326	325	324	323	322	325	326	324	337	347	356	355	336	310	293	276	285	295	306	311	315	318	325	322	320	0	11	10	359	15 32	274	85
12	✓	✓		317	318	317	318	321	321	320	317	327	340	344	336	324	312	297	292	300	309	312	315	316	316	317	317	318	0	10	25	346	15 15	287	59
13			✓	319	319	325	323	323	323	322	325	331	336	338	326	308	296	293	293	292	290	282	264	286	316	325	336	312	1	10	28	345	19 04	252	93
14				336	336	335	332	329	328	326	321	325	336	342	337	330	312	289	281	282	306	312	316	323	324	323	324	321	0	9	45	351	15 37	277	74
15				323	323	321	320	324	324	325	319	326	336	336	327	317	295	279	284	295	306	309	308	316	320	323	321	316	0	9	15	347	14 11	274	73
16				317	316	316	316	316	318	320	320	339	336	328	316	301	299	295	285	291	302	305	308	316	320	325	325	314	0	9	14	348	15 25	284	64
17				325	322	317	324	324	318	317	323	335	336	336	334	316	309	309	301	295	303	297	305	303	318	325	326	317	1	10	28	338	16 07	290	48
18				325	316	316	308	315	322	319	323	325	335	333	326	325	318	305	287	285	301	305	314	316	321	336	319	316	0	22	28	347	15 59	283	64
19		✓		324	323	317	319	321	320	319	321	325	334	336	326	318	319	307	300	295	303	309	313	316	317	321	320	318	0	10	05	338	16 30	292	46
20			✓	317	322	320	317	317	316	316	314	320	332	347	347	326	286	273	271	279	289	297	306	309	326	331	329	313	1	10	47	355	14 00	258	97
21				332	336	327	317	306	305	293	291	317	335	336	336	325	302	295	286	292	306	315	316	317	318	321	322	314	0	9	30	341	6 58	276	65
22				319	317	317	315	302	316	315	316	329	347	341	335	321	305	292	285	295	302	326	312	325	336	333	332	318	1	22	56	350	15 16	282	68
23	✓			335	318	316	305	300	297	303	302	313	324	347	351	338	319	300	287	297	310	312	316	316	323	324	320	316	0	11	17	355	15 30	286	69
24				317	316	316	316	316	317	317	316	329	337	350	349	329	314	290	281	285	298	307	313	319	322	346	332	318	1	22	48	369	15 05	275	94
25				317	317	320	316	308	311	317	318	331	345	347	347	331	297	284	277	287	295	305	324	321	326	335	336	317	0	10	59	355	15 08	275	80
26		✓		333	324	317	316	313	313	305	303	311	326	337	336	325	316	303	293	296	306	315	316	316	319	323	320	316	0	10	43	338	15 32	291	47
27			✓	317	316	313	315	316	316	316	314	324	337	347	337	318	306	303	295	297	305	314	316	320	322	324	317	317	1	10	40	348	15 40	285	63
28				316	331	330	323	300	285	315	316	327	334	344	337	317	305	286	292	294	301	321	314	324	325	326	335	317	1	2	23	376	5 20	269	107
29	✓			324	316	317	315	315	315	315	315	321	327	326	326	312	295	286	292	302	308	312	318	319	323	324	319	314	0	11	05	334	14 35	285	49
30	✓			320	317	316	314	315	315	314	313	317	334	336	334	322	306	302	293	294	307	313	316	317	319	320	319	316	0	10	15	344	16 20	285	59
31																																		
MEANS ALL DAYS				326	322	320	317	315	315	314	313	323	334	339	336	323	309	296	289	292	303	310	312	317	324	328	327	317							70
MEANS TEN DAYS ✻				324	319	318	314	314	314	315	314	324	333	342	341	328	314	300	292	298	306	313	317	318	322	324	322	318							58
MEANS FIVE DAYS † (G. M. T.)				318	319	319	318	319	318	318	313 316	321 325	335	342	338	325	313	299	290	294	303	309	313	316	318	322	320	317							
MEANS FIVE DAYS ‡ (G. M. T.)				339	336	332	325	312	307	302	304	319	331	332	331	317	299	289	287	288	296	301	299	314	330	331	337	315							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 72

DECLINATION

JULY 1937

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				315	312	306	297	304	316	317	317	318	318	329	327	321	310	307	296	296	306	313	317	316	327	337	323	314	0	22 05	372	16 00	286	86
2				318	316	314	307	306	311	305	302	307	319	328	331	325	313	303	296	303	306	309	315	316	319	320	327	313	0	11 56	335	15 36	295	40
3	✓	✓		325	325	316	307	309	315	306	303	312	324	335	336	330	319	305	293	290	298	313	314	317	319	319	318	314	0	11 46	337	16 50	286	51
4	✓			315	313	311	306	308	309	311	310	316	323	327	327	325	318	309	300	298	306	314	316	318	319	318	316	314	0	10 30	326	16 20	295	31
5				313	310	307	306	305	306	307	307	317	330	337	337	321	308	301	289	293	296	307	308	311	317	333	317	312	1	11 08	349	15 24	286	63
6				324	321	311	309	307	306	306	303	301	306	315	318	316	306	295	288	295	304	300	295	285	313	314	328	307	1	23 35	343	8 55	271	72
7				329	337	336	337	333	335	326	310	309	311	312	326	326	320	306	287	282	294	316	316	324	324	323	321	318	0	12 35	336	16 30	270	66
8	✓	✓		316	315	317	316	311	307	315	315	329	342	350	344	332	313	287	276	283	295	300	306	316	318	321	325	315	0	10 30	353	16 03	274	79
9				323	316	316	318	308	313	310	309	319	337	346	338	325	306	297	288	286	295	305	306	305	310	319	322	313	1	10 30	348	16 06	283	65
10				324	325	322	322	319	323	307	295	306	306	323	335	327	329	314	298	295	306	309	312	316	317	318	322	315	0	11 22	337	6 46	279	58
11				320	319	317	316	316	315	314	310	324	337	348	341	330	309	294	286	286	291	295	297	304	315	321	335	314	0	10 44	349	15 30	284	65
12	✓			332	335	328	328	340	337	335	326	323	328	340	335	328	320	297	287	293	303	309	313	315	316	316	316	321	0	10 10	347	15 05	285	62
13				315	316	316	316	318	319	320	319	332	347	356	347	327	315	297	289	288	297	306	307	308	311	316	316	317	0	10 50	358	16 10	286	72
14			✓	317	319	319	321	318	316	316	315	326	347	357	350	332	306	283	273	265	254	295	310	319	343	367	370	318	1	23 04	406	17 30	240	166
15				373	365	343	371	325	317	315	316	335	340	353	348	324	306	296	292	291	296	300	306	315	320	321	335	325	1	3 23	392	16 21	287	105
16	✓			334	324	327	326	335	326	323	323	337	348	357	347	333	314	298	285	285	294	304	307	307	319	322	319	321	0	10 16	360	16 00	282	78
17				319	321	317	315	316	316	317	311	323	345	343	336	316	297	284	285	286	297	305	308	312	315	317	317	313	0	9 44	357	14 57	276	81
18	✓			316	316	315	315	315	316	314	315	329	347	347	336	321	312	306	295	294	302	307	307	309	313	314	313	316	0	10 12	350	16 22	291	59
19			✓	313	309	309	311	310	316	317	317	333	344	342	336	316	292	277	275	285	295	306	307	312	329	316	314	312	1	21 22	347	15 08	273	74
20			✓	312	316	327	303	339	316	306	304	308	322	337	335	329	316	276	284	285	300	306	309	316	317	317	315	312	1	10 51	351	14 45	251	100
21				314	311	308	307	308	310	310	309	316	337	347	340	328	312	298	280	272	282	293	293	290	308	321	324	309	1	10 28	357	15 49	265	92
22			✓	324	325	319	317	316	324	325	316	336	357	359	323	295	287	271	264	295	274	295	317	326	333	333	337	315	1	9 58	371	15 30	253	118
23				343	337	318	319	286	285	292	303	316	325	325	326	322	313	289	285	285	285	295	310	316	325	328	336	311	1	1 03	352	14 25	282	70
24			✓	348	346	338	327	312	309	308	311	275	275	305	328	322	316	295	276	292	287	285	307	318	336	336	335	312	1	22 06	339	15 16	263	76
25				325	325	333	319	313	317	316	314	281	323	338	335	315	302	297	285	291	305	311	325	320	322	347	368	318	1	23 10	400	8 23	254	146
26				336	328	311	309	295	305	304	305	318	337	345	335	325	319	305	297	286	298	304	308	316	323	337	327	316	0	22 34	355	16 22	285	70
27	✓	✓		319	316	314	313	313	310	310	310	322	336	345	340	316	300	294	296	293	297	305	305	307	313	313	315	313	0	10 34	346	14 06	285	61
28	✓	✓		311	311	307	306	309	310	309	311	321	347	363	358	343	326	295	276	286	302	305	308	308	308	310	309	314	0	10 38	364	15 44	273	91
29	✓	✓		313	309	309	307	308	305	305	304	315	330	337	335	318	300	283	274	282	296	305	306	309	310	312	312	308	0	10 55	339	14 58	272	67
30				309	307	307	310	308	306	313	316	333	349	350	336	316	303	286	285	291	302	305	305	306	308	311	311	311	0	10 10	357	15 48	285	72
31	✓			313	310	310	307	307	306	313	315	325	336	344	339	321	305	289	282	284	295	303	303	304	305	313	315	310	0	10 50	347	15 14	274	73
MEANS ALL DAYS				323	321	318	316	313	314	313	311	318	331	340	336	323	310	295	286	288	295	304	308	312	318	323	324	314						78
MEANS TEN DAYS ✲				319	317	315	313	316	314	314	313	323	336	344	340	327	313	296	286	289	299	306	308	311	314	316	316	314						65
MEANS FIVE DAYS † (G. M. T.)				314	311	310	309	308	309	310	309 310	320 321	336	346	343	328	312	293	283	287	298	306	308	311	314	315	316	312						
MEANS FIVE DAYS ‡ (G. M. T.)				333	331	326	324	314	309	308	309	316	329	340	334	319	303	280	274	284	282	297	310	318	332	334	334	314						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 73

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				315	323	317	316	316	314	311	316	333	344	348	346	326	305	283	273	285	296	296	298	304	306	311	315	312	0	11 04	350	15 40	270	80
2			✓	316	320	318	317	316	317	316	317	324	333	347	344	307	292	263	238	254	264	309	332	334	343	383	375	316	1	23 35	425	15 22	224	201
3			✓	359	341	321	315	313	308	312	326	346	357	359	352	339	325	307	292	282	295	304	306	306	310	316	317	321	0	10 00	365	16 15	277	88
4			✓	315	311	308	305	312	306	296	241	289	310	312	316	304	286	274	261	263	293	290	302	313	316	321	324	299	1	9 38	338	7 45	211	127
5				317	315	310	307	302	305	306	313	338	345	359	357	337	316	293	284	285	295	302	305	307	310	313	316	314	0	10 37	365	14 25	279	86
6				314	315	311	307	307	308	305	303	321	339	356	355	337	324	302	265	265	282	288	286	302	307	310	315	309	0	10 45	359	16 10	258	101
7				317	321	327	316	317	306	305	301	315	335	351	357	343	309	285	271	274	290	293	296	305	311	316	316	312	0	11 26	359	15 20	265	94
8	✓			320	318	315	316	316	315	307	306	322	342	355	347	327	306	283	272	276	288	296	303	306	306	311	313	311	0	10 30	356	15 33	270	86
9	✓			316	317	317	317	317	316	311	308	324	344	366	369	353	327	297	271	266	285	295	297	300	305	306	306	314	0	11 23	370	16 05	263	107
10				308	312	313	313	313	313	313	306	318	337	352	352	335	303	274	264	273	288	297	300	305	306	309	313	309	0	11 00	355	15 20	263	92
11				316	307	317	314	312	310	308	306	326	357	380	388	362	318	283	269	275	286	291	295	302	305	306	307	314	0	11 30	390	15 50	265	125
12	✓			307	306	305	308	307	305	306	308	332	361	388	388	349	298	266	256	272	286	295	300	303	304	304	305	311	0	11 00	393	15 52	254	139
13	✓	✓		306	305	305	304	302	303	305	310	328	357	378	373	336	300	268	254	266	285	295	297	302	303	303	306	308	0	11 00	383	15 23	252	131
14				305	304	302	305	305	305	304	303	318	344	356	344	313	276	254	253	267	290	297	302	304	305	306	307	303	0	10 00	357	14 45	247	110
15				309	308	306	306	302	303	303	303	335	347	357	347	324	293	253	248	259	276	285	285	305	309	312	312	304	0	10 36	359	15 54	245	114
16	✓	✓		312	313	312	311	311	304	305	306	326	352	371	371	340	305	277	266	274	288	289	295	303	305	307	308	310	0	11 10	377	15 30	265	112
17	✓			310	309	308	308	312	312	307	315	343	366	377	370	347	309	285	275	280	286	291	293	300	304	306	313	314	0	10 10	378	15 45	274	104
18				313	315	314	314	315	315	317	328	347	350	356	357	341	316	297	286	278	287	294	296	302	305	308	307	315	0	10 50	359	16 08	277	82
19				306	307	306	307	305	304	304	310	331	355	364	355	329	297	275	269	276	287	295	297	305	306	308	311	309	0	10 28	368	15 10	262	106
20				311	311	306	303	304	290	292	305	335	356	363	352	325	303	285	274	277	286	293	295	301	304	306	313	308	0	10 10	366	15 45	272	94
21				308	306	300	302	297	303	305	310	327	342	352	350	337	320	303	284	280	286	294	296	302	305	310	309	310	0	11 00	354	16 15	277	77
22			✓	306	304	303	302	302	302	304	316	336	350	354	339	308	267	255	221	205	203	233	327	346	326	330	326	299	2	20 36	374	17 41	122	252
23				318	318	306	276	271	296	311	330	344	357	366	358	333	307	292	285	286	295	302	305	306	308	312	310	312	0	10 30	367	4 20	254	113
24	✓	✓		311	309	308	310	309	310	307	307	325	340	346	337	309	282	261	262	272	286	294	295	302	304	306	306	304	0	10 09	347	14 36	256	91
25	✓	✓		306	307	307	308	310	311	306	311	335	357	367	363	338	317	297	285	278	285	293	295	297	303	304	305	312	0	10 45	368	16 30	276	92
26				304	304	303	303	305	306	308	317	338	355	364	354	335	317	302	285	276	284	292	295	299	299	305	306	311	0	10 23	367	15 50	274	93
27			✓	309	312	315	316	317	317	319	329	346	336	333	319	305	293	284	269	265	278	289	295	302	305	309	325	308	1	8 57	355	16 33	264	91
28				337	321	326	313	322	326	325	315	324	335	335	327	311	292	264	261	273	276	285	288	304	303	311	316	308	0	0 09	354	15 12	253	101
29				324	316	308	308	309	308	305	303	318	344	347	335	316	303	292	282	272	278	286	296	301	305	309	312	307	0	9 35	349	16 20	270	79
30	✓	✓		312	312	309	306	305	303	304	313	332	345	355	341	314	290	273	265	269	281	290	295	301	303	305	306	305	0	10 38	358	15 35	263	95
31	✓			306	306	305	304	303	304	302	305	326	347	362	353	327	305	286	273	273	283	289	292	298	298	301	304	306	0	10 55	367	16 00	270	97
MEANS ALL DAYS				314	313	311	308	308	308	307	309	329	346	357	352	329	303	281	268	271	283	292	299	305	307	312	314	309						108
MEANS TEN DAYS ✲				311	310	309	309	309	308	306	309	329	351	366	361	334	304	279	268	273	285	293	296	301	304	305	307	310						105
MEANS FIVE DAYS (G. M. T.) †				306	306	305	306	307	308	305	309 310	329 332	350	363	357	327	299	275	266	272	285	292	295	301	304	305	306	308						
MEANS FIVE DAYS (G. M. T.) ‡				329	321	314	303	304	308	310	305	328	337	341	334	313	293	277	256	254	267	285	312	320	320	332	333	308						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 74

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1937

SEPTEMBER 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	308	303	304	303	302	302	306	314	334	347	351	345	329	308	282	264	265	280	290	292	294	297	300	310	305	1	10	20 352	16	02 258	94
2	✓			311	311	299	290	288	289	275	305	320	351	363	351	326	296	271	261	273	287	292	294	298	299	301	304	302	0	10	24 369	15	30 262	107
3	✓	✓		302	301	301	300	300	302	308	320	341	351	342	323	296	269	257	259	275	289	289	290	297	299	304	306	301	0	9	14 352	14	25 255	97
4				301	302	300	301	300	300	298	308	333	365	376	370	329	291	276	277	276	281	289	291	296	299	310	312	308	0	10	40 378	14	13 271	107
5	✓			311	310	312	311	311	308	308	313	354	369	367	352	317	286	261	254	268	284	289	291	301	300	302	307	308	0	10	36 373	15	37 249	124
6	✓			308	309	306	307	303	300	303	312	332	359	371	370	351	328	290	269	267	276	281	287	291	297	304	310	310	0	10	54 372	15	55 265	107
7	✓			310	316	320	313	304	308	304	310	325	347	349	340	317	290	276	269	266	265	272	287	294	299	305	311	304	0	9	45 361	16	48 264	97
8	✓			309	306	304	304	307	305	310	321	341	353	361	353	335	308	280	263	262	278	289	291	294	296	297	309	307	0	10	00 361	16	05 258	103
9	✓			305	302	299	289	299	299	303	324	344	358	366	356	329	299	274	261	267	279	285	287	290	295	297	299	304	0	10	11 370	15	03 259	111
10			✓	307	306	303	300	299	300	298	311	338	350	361	348	316	292	279	269	268	280	290	291	296	299	298	299	304	1	10	30 362	15	50 262	100
11			✓	299	297	297	290	280	299	289	304	358	339	315	303	282	249	261	275	273	280	286	296	301	308	315	320	296	1	9	04 379	13	56 218	161
12		✓		322	310	313	306	309	306	310	320	332	338	344	342	320	299	287	280	279	283	292	295	296	297	300	301	308	0	11	00 348	16	30 278	70
13				307	310	306	302	304	303	309	320	340	352	361	357	328	290	265	253	255	265	298	287	298	322	317	311	307	0	10	46 365	15	20 248	117
14			✓	308	307	308	299	299	309	293	310	327	338	336	338	320	283	259	256	245	258	289	289	296	299	304	305	299	1	11	20 341	16	30 239	102
15				305	300	302	300	299	302	306	328	340	341	348	337	315	289	274	259	267	278	288	287	292	300	305	307	303	0	10	17 350	15	20 257	93
16				306	306	306	306	308	310	302	301	310	320	327	326	307	279	270	258	270	278	287	291	299	309	315	319	300	0	10	52 329	15	39 253	76
17				318	319	298	311	304	308	310	322	330	350	351	341	320	291	279	279	279	287	290	294	298	299	307	311	308	0	9	34 354	14	06 272	82
18				301	299	297	286	299	300	309	324	348	360	346	319	297	279	268	270	277	280	286	288	290	294	297	306	301	0	9	50 368	14	57 266	102
19	✓			332	333	320	307	303	268	277	303	337	344	354	341	318	294	277	270	275	284	291	291	299	307	304	303	306	0	10	02 360	5	28 257	103
20				303	303	302	301	301	302	308	320	340	347	352	347	325	302	284	276	279	284	287	288	291	296	297	299	306	0	10	40 353	15	40 276	77
21				300	300	300	300	301	301	304	323	330	337	331	333	311	289	274	268	276	285	287	287	291	295	297	299	301	0	8	58 345	15	36 268	77
22				302	302	303	300	301	301	298	308	335	351	351	342	317	289	269	268	270	280	287	289	294	297	299	306	302	0	9	54 359	14	58 266	93
23				320	317	312	310	316	312	316	320	338	354	338	328	302	281	267	266	275	280	289	285	293	296	299	302	305	0	9	46 361	14	53 262	99
24				310	311	311	314	321	300	297	311	329	349	358	349	310	279	262	262	278	280	285	287	297	299	310	321	305	0	10	14 361	14	50 256	105
25		✓		316	314	310	310	310	310	319	331	347	370	377	361	320	287	266	259	273	288	293	297	298	299	300	300	311	0	10	10 380	15	22 257	123
26				301	303	302	301	304	305	309	324	353	372	372	353	317	280	246	238	258	278	287	295	296	300	308	332	306	0	9	54 381	15	02 233	148
27				327	315	308	308	310	311	312	319	339	351	365	362	331	289	257	249	258	274	287	295	297	299	311	317	308	0	10	54 369	15	06 245	124
28	✓	✓		315	311	305	304	299	305	309	318	339	358	358	338	299	261	239	244	266	286	289	289	296	300	310	307	302	0	9	17 362	14	48 236	126
29	✓	✓		301	301	305	304	306	311	318	327	339	346	336	318	298	276	259	263	272	280	289	290	292	294	299	299	301	0	9	37 351	14	10 259	92
30			✓	300	300	301	302	304	308	316	334	362	373	363	333	295	265	246	246	258	270	279	282	288	289	292	307	301	1	9	40 374	14	50 240	134
31																																		
MEANS ALL DAYS				309	307	305	303	303	303	304	317	338	351	353	343	316	287	268	263	269	279	288	290	295	299	303	308	304						105
MEANS TEN DAYS ✻				310	310	307	303	302	300	302	315	337	354	357	344	319	291	268	261	269	281	287	290	295	299	302	306	304						107
MEANS FIVE DAYS † (G. M. T.)				302	303	303	302	304	305	310	323 323	340 345	353	351	336	307	278	262	261	273	285	290	292	296	298	303	303	303						
MEANS FIVE DAYS ‡ (G. M. T.)				311	315	311	300	297	303	304	322	344	349	345	333	308	279	265	262	262	274	287	290	295	298	302	308	303						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

▢ = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 75

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1937

OCTOBER 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				320	357	346	313	311	318	342	352	342	357	335	318	265	256	238	251	259	286	286	285	294	299	307	309	306	1	9	21	387	14 50	237	150
2				316	338	328	298	314	323	341	337	342	360	359	341	308	279	259	256	268	283	290	291	297	299	300	303	310	0	9	48	372	14 56	254	118
3				305	303	302	300	300	307	319	340	364	372	362	323	289	265	248	248	265	276	285	276	273	293	290	313	301	1	8	50	373	15 24	246	127
4			✓	315	317	318	320	317	316	324	372	356	336	362	322	287	252	229	233	232	258	280	292	304	309	316	320	304	1	7	43	405	14 53	204	201
5				318	318	315	312	315	316	321	335	352	367	356	331	292	266	248	251	267	279	286	288	292	303	330	316	307	0	9	35	375	14 35	248	127
6	✓			307	306	306	305	305	301	311	332	352	374	375	360	320	281	253	247	258	274	279	286	289	293	301	302	305	0	10	05	384	15 28	241	143
7				306	310	311	303	310	311	318	332	351	371	372	333	294	248	220	217	239	262	278	287	298	309	320	331	301	1	10	36	402	15 32	204	198
8			✓	330	309	319	309	311	310	289	331	362	349	318	320	284	259	252	251	258	276	290	304	310	308	307	305	303	1	8	18	382	13 47	239	143
9			✓	290	310	308	308	310	312	318	337	357	373	374	359	323	286	250	237	238	258	279	280	322	363	374	362	314	2	22	27	414	15 30	225	189
10			✓	342	333	335	341	317	299	291	292	316	352	367	353	327	300	265	251	261	276	280	332	330	316	309	302	312	1	11	00	377	15 14	235	142
11			✓	300	294	289	286	281	289	289	300	339	362	362	344	312	279	255	250	256	266	277	279	289	309	328	331	299	1	9	48	370	15 25	248	122
12				315	320	310	306	290	310	330	350	352	380	382	361	321	283	258	248	262	280	316	310	295	296	299	300	311	1	9	07	387	15 43	238	149
13				300	299	296	287	278	312	341	320	351	368	365	348	319	287	267	260	277	289	298	307	311	310	321	310	309	0	10	31	386	4 54	228	158
14				300	299	299	298	293	298	310	330	347	360	357	340	299	274	257	255	269	279	291	299	296	301	305	298	302	0	9	56	361	15 37	249	112
15				297	296	291	286	289	302	320	333	343	356	355	341	311	279	249	242	257	268	279	302	320	305	321	329	303	1	9	35	361	15 40	229	132
16	✓			326	323	330	302	286	300	319	334	345	341	331	310	289	271	259	259	273	280	290	299	296	298	299	313	303	0	9	37	351	14 47	256	95
17	✓	✓		329	312	303	291	289	291	301	320	342	358	357	338	320	298	277	267	266	272	280	284	288	291	296	297	303	0	9	47	363	15 20	265	98
18	✓	✓		301	302	299	299	301	308	318	338	351	363	353	338	313	287	266	258	261	286	289	291	289	291	296	297	304	0	9	34	369	14 52	256	113
19	✓			298	298	298	298	297	300	314	336	351	351	346	330	300	269	249	241	248	267	282	287	291	298	298	298	298	0	9	15	357	15 50	238	119
20	✓	✓		299	299	287	289	296	299	310	326	345	353	344	327	292	266	253	257	269	281	287	287	289	291	296	297	297	0	9	48	357	14 50	250	107
21	✓			297	298	299	297	296	299	309	328	352	364	362	340	301	267	245	239	251	265	281	282	288	290	306	313	299	0	9	50	372	15 20	238	134
22				317	311	302	306	306	316	330	349	366	374	371	353	323	287	245	233	241	261	278	289	279	307	310	304	307	0	9	35	378	15 25	231	147
23				297	298	302	300	290	287	291	312	359	357	353	330	297	271	255	248	258	278	280	296	299	290	311	311	299	1	8	43	373	15 10	247	126
24				326	315	318	312	310	332	342	331	322	310	340	337	313	279	257	255	268	269	287	290	341	332	313	310	309	1	6	47	372	15 23	249	123
25				323	314	302	300	302	279	311	339	369	381	373	362	320	279	255	251	268	280	288	292	328	334	330	323	313	0	8	58	390	15 20	248	142
26				289	297	301	299	301	315	330	350	374	373	373	355	313	280	240	217	239	258	275	270	288	303	305	310	302	1	8	47	391	15 12	204	187
27				308	292	287	279	299	298	309	331	341	355	352	331	299	268	253	235	247	269	278	300	305	323	309	320	300	1	10	05	362	15 38	231	131
28				313	300	297	295	289	300	311	332	356	378	372	351	321	279	250	238	252	268	286	279	289	300	301	305	303	1	9	45	382	15 28	235	147
29	✓	✓		298	296	295	299	292	291	312	328	363	380	372	349	310	268	248	248	266	270	280	282	286	291	305	313	302	0	9	33	386	14 47	245	141
30	✓	✓		299	297	287	289	297	301	316	332	361	371	369	346	302	267	246	240	256	274	289	288	288	290	291	295	300	0	9	55	373	15 10	237	136
31	✓			294	293	289	288	290	294	307	331	362	377	365	319	269	241	228	229	248	266	280	288	296	301	297	297	294	0	9	50	381	15 10	226	155
MEANS ALL DAYS				309	308	305	300	299	304	316	333	351	362	359	339	304	273	251	246	257	273	285	291	299	305	309	311	304							139
MEANS TEN DAYS ✲				305	302	299	296	295	298	312	330	352	363	357	336	302	272	252	248	260	274	284	287	290	293	298	302	300							124
MEANS FIVE DAYS † (G. M. T.)				298	298	294	294	296	300	313	329 333	352 355	365	359	340	307	277	258	254	264	277	285	286	288	291	297	300	301							
MEANS FIVE DAYS ‡ (G. M. T.)				313	315	311	311	303	305	310	323	346	354	357	340	307	275	250	244	249	267	281	297	311	321	327	324	306							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⍋ = NO RECORD

TABLE 76

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1937

NOVEMBER 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			299	298	293	289	279	287	299	322	352	373	369	338	289	249	230	244	263	276	278	279	284	291	303	310	296	0	9 50	379	14 30	229	150
2				309	301	297	288	296	306	322	344	365	381	346	300	262	231	219	227	251	278	276	275	280	289	294	296	293	0	9 30	383	14 18	216	167
3				298	299	301	297	310	320	339	342	374	364	347	313	278	250	247	251	268	277	280	281	286	289	292	297	300	0	8 24	380	14 20	244	136
4		✓		299	300	302	305	307	311	328	348	368	375	360	317	276	246	232	240	256	269	278	279	289	291	295	296	299	0	9 18	378	14 45	230	148
5	✓	✓		298	296	295	298	300	309	326	348	372	393	392	352	290	242	225	227	246	265	277	279	280	286	289	291	299	0	9 40	399	15 04	220	179
6		✓		297	296	294	294	295	300	311	333	353	362	354	329	289	256	233	237	255	270	285	286	282	287	294	300	296	0	9 35	365	14 45	230	135
7				300	300	298	299	301	309	321	341	355	367	360	320	279	251	237	241	256	268	277	280	282	284	292	309	297	0	9 54	371	14 45	237	134
8				300	298	304	296	319	330	361	369	349	350	347	326	291	277	259	259	270	280	286	282	284	288	300	301	305	1	8 06	386	15 21	253	133
9				298	292	300	291	291	287	276	305	334	341	331	308	298	284	270	270	273	280	288	280	321	311	312	306	298	1	9 18	354	15 24	260	94
10	✓			296	294	294	295	299	303	317	332	341	345	340	323	295	278	259	258	264	274	286	284	290	300	321	310	300	0	9 06	353	15 15	256	97
11				293	290	290	293	300	306	321	338	353	368	363	339	299	274	259	258	264	277	307	298	293	293	290	289	302	1	9 32	373	15 18	255	118
12	✓			290	288	288	269	278	288	289	319	323	332	319	302	287	264	255	258	267	274	288	287	289	290	290	291	289	0	9 35	343	14 35	253	90
13	✓			291	287	276	277	281	290	300	317	331	332	314	294	270	258	255	267	278	287	286	284	284	289	289	291	289	0	9 16	339	14 23	251	88
14	✓			291	286	279	296	299	307	315	321	320	320	306	286	267	250	248	257	268	283	289	293	291	303	303	296	291	0	7 17	327	14 10	246	81
15	✓	✓		296	296	294	294	296	302	317	332	342	342	334	314	294	279	268	263	266	274	280	287	287	288	289	289	297	0	9 00	344	15 50	261	83
16	✓	✓		289	289	287	288	291	299	315	340	351	351	342	321	297	279	262	257	259	268	276	277	279	282	286	288	295	0	8 57	354	15 30	257	97
17				289	289	289	290	296	300	317	339	354	350	331	302	275	254	245	247	259	279	286	284	289	298	301	308	295	0	8 54	360	14 50	243	117
18			✓	305	305	305	304	308	320	340	363	368	370	348	325	301	272	259	251	248	257	269	288	311	297	324	330	307	1	9 52	375	16 39	242	133
19			✓	312	315	359	340	332	337	365	363	373	358	332	310	282	264	257	249	242	251	267	301	313	316	341	355	314	1	6 33	400	16 32	238	162
20				318	316	309	301	310	320	340	355	375	375	354	320	280	260	253	254	260	273	280	276	278	310	311	299	305	1	9 17	376	14 25	249	127
21				307	295	294	293	296	309	310	332	358	372	363	339	313	289	264	248	254	262	268	284	314	303	289	289	302	0	9 13	375	15 45	246	129
22				290	292	290	297	311	321	322	332	335	340	340	328	309	274	255	268	258	258	285	276	270	296	304	308	298	1	9 22	350	17 28	249	101
23			✓	281	312	312	305	281	299	314	330	346	346	327	301	281	260	249	235	258	271	278	301	295	296	291	296	294	1	9 37	356	15 37	231	125
24				297	284	294	299	299	302	314	325	341	341	338	329	310	290	279	286	283	278	279	289	300	302	294	289	302	1	8 13	351	1 47	263	88
25	✓			288	290	296	279	296	303	315	323	329	320	313	305	296	283	278	274	276	277	280	289	290	289	292	291	295	0	8 40	332	3 33	260	72
26	✓			291	293	291	289	291	299	307	309	313	312	309	300	290	276	266	267	270	279	280	280	280	291	295	297	291	0	7 37	317	14 40	263	54
27				293	301	301	304	307	309	311	325	343	342	334	325	309	290	276	270	276	281	286	287	287	291	294	296	302	0	8 58	349	15 30	269	80
28				297	297	300	304	311	297	304	320	341	350	345	324	307	293	274	274	273	286	287	276	287	310	310	318	304	1	9 50	357	16 25	265	92
29			✓	322	327	331	328	328	340	348	358	357	339	317	302	285	265	256	264	264	266	275	271	288	309	314	311	307	1	8 45	365	14 00	252	113
30			✓	326	354	360	363	329	331	350	359	353	345	345	318	306	290	277	278	287	287	291	315	317	349	328	338	325	1	3 26	378	14 32	276	102
31																																		
MEANS ALL DAYS				299	299	301	299	301	308	320	336	349	352	341	317	290	268	255	256	264	274	282	285	291	297	301	303	299						114
MEANS TEN DAYS ✲				293	292	289	287	291	299	310	326	337	342	334	314	288	266	255	257	266	276	282	284	285	291	296	295	294						99
MEANS FIVE DAYS † (G. M. T.)				295	294	293	294	297	303	318	340 340	357 357	365	356	327	289	260	244	245	256	269	279	282	283	287	291	293	297						
MEANS FIVE DAYS ‡ (G. M. T.)				319	317	330	330	321	319	337	342	359	352	334	311	291	270	260	255	260	266	276	295	305	313	320	326	309						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 77

DECLINATION

DECEMBER 1937

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				344	318	328	345	335	305	316	310	333	326	319	309	287	265	267	268	278	287	291	295	298	305	307	309	306	1	8	34	367	13	32	259	108
2				318	319	319	308	312	323	337	344	354	352	345	320	291	269	259	256	272	285	288	287	289	292	296	297	306	0	8	45	359	15	13	254	105
3	✓			298	299	298	297	304	309	310	328	349	353	337	307	282	263	257	259	271	283	288	288	294	296	294	294	298	0	9	08	366	14	00	255	111
4	✓	✓		297	297	298	298	299	299	317	338	361	380	353	314	274	247	238	241	251	266	281	279	281	286	289	297	295	0	9	22	389	14	40	236	153
5	✓			302	306	308	307	311	316	327	340	361	366	354	338	320	303	290	285	277	276	277	283	287	292	296	297	309	0	9	07	369	17	35	273	96
6				300	299	299	296	303	311	319	328	348	359	360	339	323	298	276	270	277	285	295	295	295	313	313	306	309	0	10	05	372	15	20	268	104
7				305	303	297	297	297	311	319	326	337	346	329	318	297	280	264	265	275	278	275	281	284	288	297	316	299	1	9	17	348	14	43	258	90
8				315	337	327	314	293	310	319	326	341	338	338	320	310	283	266	266	273	273	278	283	292	299	318	333	306	1	1	25	357	15	03	264	93
9				320	302	295	295	284	297	318	327	339	350	330	316	294	275	266	262	265	268	278	286	286	289	298	308	298	0	9	36	356	15	37	259	97
10				303	297	295	287	286	300	315	316	325	329	324	314	312	301	288	281	278	281	281	279	287	310	309	298	300	1	9	25	338	17	00	276	62
11				301	300	294	294	311	306	307	303	316	316	316	314	304	284	279	276	276	276	285	295	309	304	299	297	298	1	8	35	323	15	34	271	52
12	✓			297	296	290	289	297	308	314	305	307	310	297	286	287	285	277	281	285	286	283	282	285	288	293	293	293	0	6	44	324	14	26	274	50
13		✓		299	297	298	297	305	307	312	318	320	330	328	328	316	305	297	292	286	293	282	277	279	285	288	290	301	0	9	21	336	18	50	276	60
14	✓	✓		294	296	298	300	307	316	328	335	339	338	321	297	281	267	259	261	271	278	276	275	277	282	288	294	295	0	9	40	340	14	48	256	84
15	✓			298	298	296	298	305	315	328	334	336	338	330	318	301	286	268	261	261	263	275	276	282	282	286	289	297	0	9	37	338	17	05	258	80
16	✓			295	298	301	305	313	325	346	363	358	354	328	309	292	277	267	265	266	271	277	278	280	286	288	292	301	0	7	58	374	15	28	263	111
17				294	295	296	297	300	307	327	345	352	349	328	301	277	257	251	255	266	275	276	276	275	282	288	300	295	0	8	40	356	14	40	248	108
18			✓	305	307	309	309	315	318	332	339	349	348	337	305	282	256	241	240	253	262	275	277	306	301	310	329	300	1	8	57	357	15	10	239	118
19			✓	345	350	377	318	345	362	380	381	378	374	348	315	290	258	235	227	233	241	264	285	278	291	297	298	311	1	2	27	416	15	24	221	195
20			✓	302	332	325	302	319	324	345	360	369	371	360	343	318	298	277	262	269	282	276	277	278	293	298	298	312	1	9	03	380	15	46	257	123
21				307	298	305	303	306	309	326	340	372	375	358	328	299	276	266	258	266	276	282	281	285	286	287	289	303	0	9	03	379	15	32	256	123
22				292	298	306	297	299	294	305	320	343	351	343	326	302	263	237	231	243	256	269	279	291	304	304	315	294	0	9	30	357	15	10	225	132
23			✓	318	316	308	306	307	315	319	330	339	338	329	314	296	271	252	239	241	270	278	278	318	297	308	318	300	1	22	12	372	22	34	230	142
24			✓	349	370	356	319	325	329	339	346	359	365	353	338	318	299	278	263	266	267	273	281	286	290	293	298	315	0	1	46	380	15	25	261	119
25				338	360	339	321	319	320	310	319	331	339	341	337	320	298	287	284	276	272	275	287	301	287	288	292	310	1	1	56	363	18	10	266	97
26				296	297	298	299	298	299	300	305	305	318	318	318	298	277	258	255	252	265	273	305	307	311	311	313	295	1	9	10	331	15	56	245	86
27	✓	✓		308	302	302	307	310	319	340	351	356	350	331	320	318	305	300	288	277	273	275	277	278	284	287	290	306	0	8	35	360	17	42	270	90
28	✓	✓		295	296	297	298	298	305	313	314	310	308	293	281	278	269	256	252	256	266	273	276	277	285	296	304	287	0	7	14	318	15	37	248	70
29	✓			299	297	295	297	303	309	321	336	336	339	331	310	297	287	278	275	276	277	278	280	280	283	287	288	298	0	9	40	343	16	00	274	69
30				289	291	292	295	296	299	310	326	332	326	308	286	271	264	258	257	258	275	285	284	287	289	294	294	290	0	8	05	339	16	00	256	83
31				297	294	293	296	304	311	336	361	359	360	336	297	266	232	225	235	252	267	278	278	286	294	314	313	295	0	7	47	374	14	23	220	154
MEANS ALL DAYS				307	309	308	303	307	312	324	333	342	345	333	315	297	277	265	262	266	273	279	283	288	293	297	302	301								102
MEANS TEN DAYS *				298	298	298	300	305	312	324	334	341	344	328	308	293	279	269	267	269	274	278	279	282	286	290	294	298								91
MEANS FIVE DAYS † (G. M. T.)				298	299	299	300	305	312	323	331 332	337 336	341	325	308	293	279	270	267	268	275	277	277	278	284	290	295	297							
MEANS FIVE DAYS ‡ (G. M. T.)				328	342	340	313	323	329	340	349	359	359	345	323	301	276	257	246	252	264	273	280	293	294	301	308	308							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 78

HORIZONTAL INTENSITY

23981 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1937

JANUARY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		691	693	691	692	694	695	699	699	695	688	677	669	666	659	650	657	676	693	693	696	699	699	697	696	686	0	20 32	700	14 46	648	52
2				697	696	697	696	699	706	714	717	712	703	684	676	687	696	693	690	696	703	703	709	713	710	708	707	700	0	17 16	718	11 40	673	45
3				707	709	706	701	702	707	699	713	711	705	691	681	681	690	692	694	696	691	687	686	688	689	688	690	696	0	7 38	718	11 54	674	44
4				691	692	693	695	697	700	704	711	714	704	691	684	684	694	693	695	692	684	686	694	702	696	696	696	695	0	8 16	716	18 00	680	36
5	✓			693	701	707	705	699	705	709	708	707	705	695	688	684	673	675	690	696	698	697	697	698	697	697	696	697	0	6 40	709	14 00	670	39
6	✓			697	702	703	702	703	708	709	709	710	710	720	725	735	734	716	702	700	693	693	697	700	700	701	701	707	0	12 50	738	17 58	692	46
7			✓	702	703	705	705	705	711	717	720	724	721	715	717	715	715	712	707	709	719	707	710	707	710	707	701	711	1	8 03	726	23 59	695	31
8				691	685	674	694	679	690	698	679	647	650	656	671	675	676	670	671	674	674	670	671	674	674	674	672	675	0	3 35	713	8 56	636	77
9			✓	673	674	674	675	680	686	687	684	683	681	679	678	690	704	708	704	704	679	671	662	683	687	688	692	684	1	16 42	719	19 30	650	69
10			✓	694	693	692	700	709	694	712	704	692	677	675	668	662	666	671	679	696	682	673	694	683	672	673	673	685	1	6 17	739	21 48	650	89
11				674	676	677	678	691	693	688	692	694	690	667	657	663	659	663	666	674	687	692	692	689	687	688	678	680	1	4 59	718	11 18	654	64
12				681	692	691	686	684	686	678	681	680	673	665	658	655	656	662	680	692	695	690	691	699	700	691	699	682	1	20 21	718	12 09	653	65
13				691	688	693	697	702	701	702	713	706	698	686	684	685	688	687	689	700	699	691	686	680	682	681	686	692	0	7 55	717	14 50	678	39
14				690	692	685	687	688	691	686	677	663	651	650	660	665	663	666	678	691	691	691	695	691	691	691	690	680	0	19 38	696	9 46	646	50
15	✓	✓		691	691	692	691	691	693	698	699	695	685	671	660	654	656	668	685	698	702	700	699	699	698	696	696	688	0	17 08	702	12 40	653	49
16	✓	✓		696	692	694	694	693	698	701	693	680	664	660	664	668	670	679	691	695	690	689	695	699	699	699	697	688	0	6 00	702	10 20	658	44
17				696	696	697	697	697	701	708	705	688	664	650	650	667	683	699	707	708	705	712	713	711	710	708	709	695	0	18 32	718	10 50	646	72
18	✓			709	708	708	706	703	703	706	702	693	681	666	661	669	679	683	687	692	699	701	701	703	703	705	703	695	0	0 00	710	11 20	659	51
19	✓			708	707	705	705	706	708	712	710	704	696	684	679	681	687	688	692	700	702	699	699	701	701	700	699	699	0	6 32	713	12 00	678	35
20				698	701	703	699	700	704	708	706	699	689	682	685	692	694	700	707	715	715	709	707	708	702	694	686	700	0	16 42	715	10 44	681	34
21				691	697	702	696	697	702	710	708	688	672	660	666	676	693	702	701	697	695	694	690	687	682	693	696	691	1	7 05	714	10 29	659	55
22				708	701	691	704	690	681	688	681	677	672	674	679	684	679	677	680	690	690	686	683	685	686	688	689	686	0	0 44	727	9 40	668	59
23	✓	✓		690	691	695	693	691	692	699	698	687	681	683	689	692	694	700	698	700	701	698	696	695	695	693	692	693	0	14 30	702	9 47	679	23
24	✓			693	695	695	695	695	697	698	694	687	682	679	678	667	681	702	713	709	702	701	699	698	697	697	698	694	0	15 46	716	12 27	663	53
25	✓	✓		698	696	696	697	697	700	701	699	695	699	702	706	709	718	726	727	725	718	708	704	703	702	703	701	705	0	16 00	730	8 28	694	36
26				702	701	701	702	704	707	712	707	700	693	684	677	681	689	699	707	711	714	711	710	711	711	709	706	702	0	17 40	715	11 50	676	39
27			✓	708	707	708	707	709	713	715	709	700	691	687	696	715	724	729	732	741	751	706	706	677	697	694	694	709	1	17 15	769	20 30	668	101
28				691	687	682	682	685	681	682	691	689	674	656	646	647	658	672	679	686	689	688	694	686	675	670	672	678	1	7 54	695	11 52	643	52
29				676	685	690	692	679	682	682	686	677	666	672	670	668	663	666	667	678	686	686	686	683	681	683	683	679	0	1 55	698	13 16	661	37
30			✓	683	682	682	682	684	684	690	688	680	671	665	669	675	686	698	709	720	720	710	703	701	700	694	722	692	1	23 12	760	10 35	664	96
31				680	681	691	692	701	698	699	698	690	675	659	645	641	645	657	670	681	682	684	688	692	693	693	694	680	0	4 18	704	12 20	640	64
MEANS ALL DAYS				693	694	694	695	695	697	700	699	692	684	677	675	678	683	687	692	698	698	694	695	695	694	694	694	692						53
MEANS TEN DAYS ✲				697	698	699	698	697	700	703	701	695	689	684	682	682	685	689	694	699	700	698	698	700	699	699	698	695						43
MEANS FIVE DAYS † (G. M. T.)				697	696	697	697	698	702	707	698 703	690 693	683	679	678	678	679	685	692	699	701	698	698	699	699	698	696	694						
MEANS FIVE DAYS ‡ (G. M. T.)				686	684	683	689	693	691	696	693	696	688	684	686	691	699	704	706	714	710	693	695	690	693	691	696	694						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 79

HORIZONTAL INTENSITY

23981 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1937

FEBRUARY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			694	694	694	698	698	702	708	699	685	670	674	693	713	719	713	702	697	689	685	687	691	691	687	686	695	0	13	20 725	9	59 663	62
2				689	690	692	691	690	689	694	695	686	672	657	654	665	672	680	685	694	697	692	695	696	697	694	694	686	0	17	07 699	11	30 653	46
3			✓	695	695	696	697	697	702	712	742	720	677	688	677	703	670	645	608	614	628	628	646	656	654	652	654	673	1	7	36 762	15	55 588	174
4				658	660	638	628	620	633	637	628	618	624	636	644	650	658	649	652	652	651	637	640	648	641	656	667	643	1	23	15 675	4	52 610	65
5			✓	660	659	668	678	670	666	666	656	639	617	616	623	635	637	639	658	662	655	659	663	667	670	671	669	654	1	3	02 691	10	57 605	86
6				683	684	677	675	681	675	678	673	664	649	648	646	633	650	653	664	674	675	658	665	667	669	674	664	666	1	0	40 692	12	25 631	61
7	✓			670	673	678	677	685	683	682	673	656	647	648	646	654	656	673	675	674	676	676	681	685	683	679	685	671	0	24	00 689	11	05 642	47
8	✓	✓		684	680	680	680	680	681	680	677	664	656	660	664	666	668	671	674	678	681	682	684	684	685	686	684	676	0	0	08 691	9	26 654	37
9			✓	688	695	693	694	692	695	695	692	677	673	682	696	700	695	698	690	687	686	689	690	673	670	682	660	687	1	14	50 705	23	23 642	63
10				651	662	659	670	666	654	653	656	647	640	642	638	650	655	672	682	689	685	675	673	668	674	675	666	663	1	3	48 692	11	19 633	59
11				671	677	686	682	673	676	681	677	667	658	649	652	665	675	666	681	686	678	673	675	677	677	686	683	674	1	22	39 694	10	43 646	48
12				678	677	679	681	689	687	688	684	674	661	661	665	670	678	696	700	687	685	685	687	685	686	685	703	682	1	23	19 713	9	45 660	53
13				683	686	685	681	678	674	676	672	665	653	645	650	665	676	693	699	702	688	679	672	672	678	703	697	678	1	22	40 719	11	09 643	76
14	✓			703	679	683	692	690	689	689	678	674	658	657	663	656	659	665	671	670	673	672	676	680	681	681	683	676	0	0	28 710	10	03 649	61
15				685	687	679	676	690	685	678	673	674	665	654	643	642	656	673	678	673	670	670	676	678	679	673	673	672	0	4	22 695	11	52 640	55
16				670	676	679	695	685	681	684	684	678	667	665	659	661	678	676	676	677	685	678	667	654	659	656	659	673	0	3	28 699	20	57 651	48
17				666	676	677	680	683	688	688	693	690	680	665	656	657	663	680	687	689	691	684	680	684	671	669	668	678	0	7	42 695	11	26 654	41
18				678	682	684	687	684	689	690	689	683	670	664	671	676	673	674	676	677	678	680	681	679	680	684	689	680	1	22	59 695	10	32 661	34
19			✓	683	684	686	704	708	704	716	717	696	687	682	678	674	674	691	692	682	681	684	685	671	665	677	669	687	1	7	18 720	20	59 643	77
20				671	668	670	681	681	685	688	704	687	683	684	676	678	689	668	674	684	684	692	694	692	692	701	693	684	1	22	40 709	1	23 644	65
21			✓	688	683	686	690	696	699	700	698	686	676	675	680	681	679	678	682	688	695	698	699	702	697	693	687	689	1	20	30 706	11	24 669	37
22				684	687	694	710	697	686	692	689	681	667	657	658	661	663	673	681	678	679	680	671	657	659	662	665	676	0	3	17 717	20	50 650	67
23	✓	✓		675	681	683	682	683	682	682	680	667	652	646	642	645	651	659	676	679	683	685	686	690	688	689	687	674	0	20	30 691	11	51 641	50
24	✓	✓		688	689	691	692	692	693	696	700	693	681	667	654	651	658	676	685	700	684	697	700	700	697	696	696	686	0	16	14 711	12	54 650	61
25	✓			696	695	697	698	700	702	706	707	690	669	646	639	653	676	686	688	697	696	697	703	708	705	702	701	690	0	19	48 723	11	20 635	88
26	✓	✓		698	699	698	699	698	699	701	701	695	683	670	662	654	664	670	679	684	686	687	693	682	685	689	688	686	0	7	05 702	12	40 649	53
27	✓	✓		688	690	689	688	689	691	695	696	690	674	650	631	640	663	678	676	681	683	683	693	690	677	677	684	679	0	19	50 698	11	22 630	68
28	✓			683	684	687	688	691	695	698	701	695	677	668	668	667	672	681	686	697	689	699	703	697	695	688	692	688	0	19	27 705	12	00 665	40
29																																		
30																																		
31																																		
MEANS ALL DAYS				681	682	682	686	685	685	688	687	676	664	659	658	663	669	674	678	680	680	679	681	680	679	681	680	677						62
MEANS TEN DAYS ✲				688	686	688	689	691	692	694	691	681	667	659	656	660	669	677	681	686	684	686	691	691	689	687	689	682						57
MEANS FIVE DAYS † (G. M. T.)				689	691	691	692	693	695	698	691 699	682 689	669	659	651	651	661	671	678	684	683	687	691	689	686	687	688	682						
MEANS FIVE DAYS ‡ (G. M. T.)				669	672	668	673	669	667	670	670	684	666	669	671	679	671	670	666	667	669	672	677	674	671	675	668	671						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
☐ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 80

HORIZONTAL INTENSITY

23980 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1937 — MARCH 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	685	685	686	681	683	688	690	690	683	683	670	656	654	656	663	674	701	710	696	675	674	681	685	681	680	1	17 45	729	12 03	652	77
2				689	685	693	696	686	665	671	675	663	649	618	614	629	641	646	647	642	651	650	651	654	650	657	654	657	1	3 40	698	11 00	607	91
3	✓	✓		643	647	666	662	665	667	665	661	650	639	633	644	655	655	655	658	665	672	679	680	680	680	680	680	662	0	18 51	682	10 26	630	52
4				681	682	683	682	682	684	685	687	683	678	672	667	673	677	677	677	680	688	690	691	693	702	692	690	683	0	22 20	708	11 32	666	42
5			✓	688	689	688	687	688	690	692	700	697	683	672	666	666	650	660	686	696	686	624	592	609	607	604	633	665	1	17 04	707	19 28	576	131
6	✓			644	659	652	663	658	661	658	654	649	641	652	654	652	648	647	657	662	668	671	674	676	675	675	675	659	0	20 39	681	0 11	631	50
7	✓	✓		676	676	677	678	678	680	679	678	676	672	668	664	660	657	655	661	671	679	684	684	684	686	686	686	675	0	22 45	688	14 49	655	33
8	✓	✓		684	686	687	688	689	692	694	696	692	691	686	678	672	672	678	683	686	690	690	690	691	691	691	691	687	0	7 56	697	13 11	670	27
9	✓			691	690	690	692	694	697	697	692	681	677	680	676	675	682	684	683	686	687	687	689	691	688	684	685	687	0	6 09	699	12 14	671	28
10	✓			690	689	691	698	692	688	690	689	682	683	684	679	681	678	681	687	692	697	696	702	701	697	696	698	690	0	19 35	704	13 21	675	29
11		✓		701	699	700	699	700	701	699	696	693	687	686	689	697	704	706	705	704	703	703	702	700	701	699	699	699	0	0 48	708	10 24	685	23
12	✓	✓		696	698	698	698	697	695	699	695	686	681	673	671	673	676	679	686	693	697	699	700	700	699	698	697	691	0	19 57	701	11 47	669	32
13				698	698	699	699	701	701	700	699	691	681	679	684	689	698	703	709	713	711	708	707	708	708	708	707	700	0	16 16	715	10 05	677	38
14				705	702	700	698	702	698	691	696	716	685	655	655	649	644	638	653	660	657	649	656	667	672	673	670	675	1	8 20	724	14 25	635	89
15			✓	677	687	677	674	677	677	677	684	680	674	677	678	678	668	663	658	649	643	624	589	582	600	615	629	656	1	11 10	690	20 02	563	127
16				640	644	646	648	653	656	661	660	663	664	665	668	669	667	669	670	673	670	670	670	672	672	671	672	663	0	16 50	674	0 00	637	37
17				670	668	671	673	671	670	674	671	662	652	643	643	654	662	672	666	668	672	667	669	673	674	674	673	666	0	3 40	680	10 55	639	41
18	✓			676	677	685	685	683	681	684	682	674	666	667	661	657	659	662	673	681	677	677	682	685	688	687	685	676	0	3 00	692	13 21	656	36
19	✓			689	689	684	685	688	688	690	687	678	678	681	677	671	669	676	676	683	682	682	683	685	684	685	688	682	0	0 28	696	13 39	668	28
20	✓			690	689	687	688	689	692	694	691	685	680	682	680	682	684	689	691	686	680	679	683	686	687	685	686	686	0	6 50	696	11 33	678	18
21				684	685	686	688	689	688	693	694	694	698	707	709	703	700	699	694	691	691	693	695	695	696	695	691	694	0	11 22	710	0 29	683	27
22				693	694	705	708	707	708	710	710	703	698	700	707	706	692	707	714	713	705	682	648	606	622	647	660	689	1	15 07	718	20 49	589	129
23				663	660	661	662	668	672	671	668	660	666	669	663	656	654	665	672	672	676	676	678	678	688	683	681	669	0	21 41	705	13 33	649	56
24				679	686	686	685	683	684	686	689	688	686	689	688	680	672	668	669	673	674	677	682	684	680	681	687	682	0	23 50	692	14 20	666	26
25				684	682	685	690	688	688	686	693	692	691	694	692	684	677	679	679	675	670	684	686	687	683	683	684	685	0	7 35	692	17 22	663	29
26				686	688	688	688	689	691	693	695	694	690	691	690	690	690	692	690	689	692	693	694	694	687	687	689	690	0	8 14	696	21 42	683	13
27			✓	685	688	688	691	695	706	702	693	684	698	705	682	665	667	666	671	683	678	660	642	635	622	618	617	673	1	5 00	712	23 26	601	111
28				646	651	663	676	676	661	667	656	642	640	655	639	629	641	641	641	653	647	657	669	673	673	669	668	656	1	21 00	680	11 57	622	58
29				670	673	677	673	676	676	676	677	668	658	653	642	649	656	661	667	669	672	679	680	682	683	683	683	670	0	21 51	686	11 35	639	47
30				683	684	685	686	687	686	686	682	673	665	663	664	666	675	679	684	685	689	689	691	693	694	701	703	683	0	22 17	706	12 25	662	44
31			✓	696	696	696	701	697	700	701	699	691	680	681	696	669	665	629	593	600	577	609	615	613	626	633	625	658	1	11 22	710	17 04	553	157
MEANS ALL DAYS				680	681	683	685	685	685	686	685	680	675	673	670	669	669	671	673	677	677	675	673	673	674	675	676	677						56
MEANS TEN DAYS ✲				678	680	682	684	683	684	685	682	675	671	671	668	668	668	671	676	680	683	684	687	688	688	687	687	680						33
MEANS FIVE DAYS † (G. M. T.)				690	691	691	692	693	694	695	685 694	679 687	674	669	669	671	673	675	679	684	688	691	691	691	691	691	691	685						
MEANS FIVE DAYS ‡ (G. M. T.)				649	655	660	669	664	660	659	655	687	684	681	676	666	661	656	656	666	659	643	623	623	627	631	637	656						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 81

HORIZONTAL INTENSITY

23980 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				625	635	646	661	648	656	638	632	635	635	635	632	630	630	635	643	644	645	654	658	660	662	669	667	645	0	22	33 673	1	10 620	53
2				665	667	669	671	671	672	673	676	674	658	657	650	641	638	649	655	646	661	647	641	662	672	674	673	661	1	7	46 678	18	54 620	58
3				679	678	690	681	673	678	671	671	666	649	635	633	619	633	642	628	628	629	621	634	636	646	667	657	652	1	2	14 698	18	24 613	85
4				658	663	678	666	672	672	664	673	666	652	642	642	647	651	648	652	651	652	664	670	669	664	675	669	661	0	2	18 689	10	41 640	49
5	✓			667	666	670	669	675	671	670	670	662	657	660	666	668	665	668	669	667	670	674	678	677	680	680	680	670	0	23	13 683	9	28 657	26
6	✓			682	681	682	685	686	686	687	689	688	690	691	693	687	682	682	685	686	687	686	685	681	684	688	693	686	0	23	18 697	14	05 679	18
7	✓			694	699	699	701	703	705	705	704	701	695	695	700	702	696	696	696	696	702	704	708	707	701	700	699	700	0	20	20 709	23	59 691	18
8	✓	✓		699	699	699	702	709	707	712	712	709	703	705	704	702	699	697	696	695	695	695	697	699	700	699	699	701	0	5	04 715	16	57 694	21
9		✓		700	702	704	706	708	710	709	709	699	684	670	665	669	675	682	688	696	700	704	704	703	702	702	701	696	0	6	00 712	11	12 664	48
10	✓	✓		701	701	702	703	704	704	704	702	695	688	691	695	693	692	692	695	700	702	701	702	702	702	702	702	699	0	5	10 705	9	40 687	18
11	✓			702	701	700	702	704	706	700	699	691	672	664	664	670	666	666	674	684	691	694	693	692	692	692	694	688	0	5	22 707	13	43 660	47
12				692	698	699	695	696	697	699	699	698	699	702	706	707	710	704	700	700	713	718	720	705	670	648	637	696	1	18	47 722	23	22 630	92
13	✓			639	640	668	665	682	691	677	676	658	669	677	680	678	668	660	647	658	664	674	675	674	678	680	678	669	0	4	54 703	1	42 633	70
14	✓	✓		676	680	683	679	683	677	679	681	681	678	673	674	674	672	667	666	667	670	673	677	679	680	681	681	676	0	2	05 688	15	00 665	23
15	✓			680	680	678	681	680	679	682	685	689	691	692	691	688	682	675	672	674	678	680	685	685	685	680	681	682	0	10	45 692	15	20 670	22
16		✓		684	688	701	685	685	689	693	698	700	701	700	701	696	691	687	686	683	683	684	680	682	684	683	684	690	0	2	06 709	19	26 676	33
17				684	684	684	688	692	696	699	702	704	702	703	705	699	696	692	694	698	704	705	705	702	699	699	699	697	0	18	46 707	1	45 683	24
18				699	697	699	701	698	697	699	702	704	686	682	690	692	687	680	681	686	691	694	689	678	682	680	680	691	0	8	10 706	22	24 675	31
19				683	686	689	686	689	689	692	688	686	678	673	674	680	684	686	688	691	697	693	691	692	691	696	699	688	0	22	35 705	10	57 670	35
20				703	702	698	703	706	703	693	696	701	701	694	691	701	698	691	688	683	682	684	684	688	688	687	690	694	0	4	47 708	16	52 676	32
21				691	696	694	694	694	695	699	705	704	685	663	667	674	686	676	658	660	660	673	674	677	684	682	682	682	1	8	00 708	15	24 652	56
22	✓			686	686	685	684	686	688	692	698	702	697	687	678	674	673	672	672	681	689	690	692	692	689	692	691	686	0	8	13 702	14	25 671	31
23				696	696	693	695	696	697	696	696	696	693	685	677	676	675	679	684	689	695	698	698	697	696	694	694	691	0	18	40 699	12	49 674	25
24			✓	693	692	694	696	697	697	694	690	683	671	652	633	643	646	652	658	673	683	685	686	701	690	694	700	679	1	20	04 720	11	34 629	91
25			✓	698	705	699	689	703	683	652	624	624	624	608	602	598	598	597	598	605	616	620	621	623	624	624	631	636	1	1	47 714	15	42 580	134
26			✓	635	635	643	650	659	642	652	648	646	641	640	633	633	624	627	628	643	651	655	659	659	633	636	661	643	1	3	32 701	13	27 609	92
27			✓	664	669	696	674	675	653	608	584	556	558	538	553	554	551	552	562	574	589	599	604	605	608	610	610	602	1	2	54 736	10	27 527	209
28			✓	614	617	624	651	649	636	606	595	591	545	538	517	497	531	536	490	510	522	546	499	540	578	551	570	565	2	5	05 664	15	40 458	206
29				561	595	595	590	595	602	593	592	603	605	597	592	601	599	587	595	599	614	626	633	641	634	637	637	605	1	20	26 647	0	24 555	92
30				649	655	654	648	653	655	647	632	623	617	613	618	631	635	627	623	627	625	623	642	637	641	647	639	636	1	0	56 673	10	02 610	63
31																																		
MEANS ALL DAYS				673	676	680	680	682	681	676	674	671	664	659	658	657	658	657	656	660	665	669	669	672	671	672	673	669						60
MEANS TEN DAYS ✲				683	683	687	687	691	691	691	692	688	684	684	684	684	680	678	677	681	685	687	689	689	689	689	690	686						29
MEANS FIVE DAYS (G. M. T.) †				693	694	694	696	698	699	699	700 699	697 696	691	688	688	687	686	685	686	688	690	691	692	693	694	693	693	692						
MEANS FIVE DAYS (G. M. T.) ‡				634	644	651	651	656	643	622	609	620	608	595	588	585	590	593	587	601	612	621	614	626	627	623	634	618						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 82

HORIZONTAL INTENSITY

MAY 1937 — MAY 1937

23980 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1				637	637	658	653	657	662	654	645	628	614	604	604	606	615	609	606	618	628	631	640	647	660	658	657	634	1	21	32	668	11	52	598	70
2	✓			658	659	675	668	668	668	667	665	664	656	645	635	642	645	641	642	652	662	665	666	668	668	666	668	659	0	2	25	683	11	05	633	50
3				670	668	669	668	666	667	667	671	673	672	666	663	660	658	651	646	653	666	669	671	672	671	668	667	666	0	9	10	675	15	32	644	31
4			✓	684	677	676	674	672	672	672	668	673	674	665	663	666	664	660	660	665	673	674	676	675	674	672	672	671	1	0	24	689	15	05	658	31
5			✓	677	689	693	679	692	693	670	652	631	631	615	603	592	573	571	557	568	569	556	573	578	596	593	593	618	1	5	00	708	15	00	535	173
6	✓	✓		610	624	628	632	636	640	644	646	646	639	631	630	632	626	622	631	644	653	656	658	657	657	657	659	640	0	24	00	659	0	00	598	61
7	✓	✓		660	662	664	667	669	669	671	675	678	677	672	663	657	655	655	659	665	669	673	674	670	675	679	679	668	0	23	00	680	13	35	653	27
8	✓			676	676	676	677	678	683	686	690	692	687	680	671	665	662	665	668	671	671	672	677	678	677	676	675	676	0	8	37	693	13	30	662	31
9				677	680	681	684	686	689	690	695	697	696	686	671	662	656	657	670	671	660	650	656	644	629	646	655	670	0	9	20	699	21	39	622	77
10				663	663	663	671	683	681	682	681	682	677	671	651	644	643	646	661	668	677	679	681	680	681	670	673	670	1	8	10	685	11	58	639	46
11				669	677	675	676	682	677	683	681	666	655	643	640	639	635	640	638	648	648	636	634	641	647	650	655	656	0	6	50	685	13	17	633	52
12	✓			671	685	674	674	675	678	678	679	677	675	667	660	652	646	650	651	659	673	679	684	688	689	691	689	673	0	22	53	692	12	55	644	48
13				687	685	686	689	692	692	692	696	701	701	697	687	680	678	671	666	682	689	689	691	689	688	688	685	688	0	8	55	702	15	14	661	41
14				686	688	689	690	691	690	693	696	694	692	691	686	683	681	674	666	671	690	693	692	689	684	683	685	687	0	19	24	697	15	32	662	35
15				681	690	678	680	684	685	684	692	700	701	694	678	671	665	658	658	668	679	685	683	681	680	683	681	681	0	9	03	705	14	18	654	51
16	✓			679	679	678	682	685	688	693	696	690	692	691	684	675	665	656	659	670	679	679	682	678	672	677	676	679	1	7	58	696	15	01	645	51
17				675	682	682	681	683	685	684	684	686	680	673	662	655	654	654	660	673	682	683	684	682	683	682	684	676	0	8	03	688	14	06	652	36
18		✓		684	687	690	686	687	689	691	692	692	690	685	683	677	669	663	668	681	689	689	689	691	691	690	690	685	0	21	19	693	14	30	662	31
19				686	684	686	689	688	684	685	686	678	672	667	662	661	651	646	650	651	658	652	652	665	666	671	675	669	0	3	48	689	14	13	642	47
20	✓	✓		674	675	676	677	676	676	675	678	674	671	669	665	663	659	654	660	672	678	682	681	680	681	683	682	673	0	18	37	684	14	20	652	32
21	✓			682	683	681	681	681	681	684	689	688	685	681	675	676	674	670	667	674	682	686	688	689	689	688	687	682	0	24	00	702	15	20	666	36
22	✓			695	688	689	687	686	688	694	702	706	705	698	687	679	671	668	670	677	685	694	686	686	683	685	686	687	0	9	00	706	14	40	667	39
23	✓	✓		686	689	688	687	689	693	695	701	707	705	692	677	666	657	650	658	670	677	681	683	684	680	680	685	682	0	8	50	708	14	47	648	60
24				679	677	675	676	675	680	684	684	680	675	667	659	659	661	663	669	679	685	685	687	688	689	689	689	677	0	23	57	695	11	40	657	38
25				690	689	691	695	695	694	694	700	696	688	667	640	642	645	650	651	645	648	648	646	659	660	659	667	669	0	7	50	703	11	47	629	74
26				670	671	672	671	674	680	686	693	677	666	665	651	624	630	627	629	626	637	656	661	662	661	664	667	659	0	7	34	697	12	23	615	82
27			✓	667	668	669	677	672	674	678	679	682	674	673	673	662	659	659	660	659	659	670	665	666	658	668	665	668	1	8	50	683	21	13	648	35
28			✓	662	668	670	668	687	693	670	664	669	657	666	644	645	640	618	621	631	633	609	604	616	618	618	617	645	1	5	04	699	19	00	594	105
29			✓	622	630	639	659	668	658	656	651	625	627	623	615	608	612	621	631	634	624	634	637	646	649	652	653	636	1	4	56	678	12	36	602	76
30				658	659	665	665	670	676	672	670	679	676	668	649	651	646	642	653	656	654	651	651	653	652	654	659	660	0	5	40	681	14	20	637	44
31				660	660	661	667	673	670	673	682	679	673	664	653	660	658	651	652	663	670	673	675	674	673	672	672	667	0	7	56	685	11	30	649	36
MEANS ALL DAYS				670	673	674	675	678	679	679	680	678	674	667	658	653	650	647	650	657	663	664	665	667	667	668	669	667								53
MEANS TEN DAYS ✻				669	672	673	673	674	676	679	682	682	679	673	665	661	656	653	656	665	673	677	678	678	677	678	679	672								44
MEANS FIVE DAYS † (G. M. T.)				677	676	676	678	678	679	682	678 685	679 683	676	670	664	659	653	649	655	666	673	676	677	676	677	678	679	672								
MEANS FIVE DAYS ‡ (G. M. T.)				646	654	659	661	671	672	662	657	656	653	648	640	635	630	626	626	631	632	629	631	636	639	641	640	645								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

△̄ = NO RECORD

TABLE 83

HORIZONTAL INTENSITY

23980 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1937 — JUNE 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			671	675	675	676	677	677	679	679	685	687	675	664	661	643	638	643	652	658	665	667	670	666	664	667	667	0	9 13	688	14 10	633	55
2	✓			666	672	676	679	680	681	685	692	696	698	686	681	677	672	667	668	671	672	670	670	668	670	673	675	677	0	9 25	701	14 43	664	37
3	✓			676	678	682	683	685	683	688	693	691	684	688	676	674	670	665	671	672	681	687	689	688	687	687	689	682	0	7 50	695	14 10	659	36
4	✓			687	687	689	690	692	691	691	697	705	711	709	700	688	678	679	686	694	694	694	694	693	693	694	688	693	0	10 18	713	13 47	676	37
5			✓	686	693	696	696	694	694	693	698	699	703	706	697	685	671	664	666	666	675	683	671	654	648	656	660	681	1	10 23	708	21 04	638	70
6			✓	661	666	674	661	690	680	681	667	673	663	652	651	630	614	602	604	594	579	566	574	566	579	596	607	630	1	4 23	701	20 10	562	139
7				611	626	635	637	640	650	653	651	655	658	657	647	641	632	633	639	644	648	650	644	635	629	628	633	641	0	18 48	661	0 02	605	56
8	✓			636	645	653	657	657	662	663	668	671	674	670	660	654	645	646	648	654	661	667	672	672	672	669	667	660	0	19 59	675	0 05	630	45
9		✓		669	669	672	678	677	676	675	677	692	693	680	667	661	659	664	664	664	664	661	658	662	670	671	671	671	0	9 00	695	13 46	654	41
10				672	674	677	679	683	685	689	693	700	703	704	698	689	713	699	695	685	687	690	689	687	686	685	683	689	1	13 09	727	0 25	670	57
11	✓	✓		682	681	681	682	682	682	683	689	690	689	686	685	680	673	662	661	672	680	684	684	685	686	682	681	681	0	8 56	692	15 08	659	33
12	✓	✓		684	685	686	686	686	687	689	692	693	691	685	678	676	670	667	671	679	685	688	688	687	690	690	688	684	0	8 20	694	14 10	666	28
13			✓	690	688	691	689	689	686	687	688	686	683	681	680	683	686	686	689	696	696	673	650	645	650	653	662	679	1	16 41	710	22 00	640	70
14				664	660	658	662	666	667	670	676	684	684	678	673	664	661	649	658	669	676	679	681	681	679	677	679	671	0	9 00	687	14 40	643	44
15				682	682	683	682	682	684	685	690	689	684	676	668	660	656	655	657	674	680	682	678	681	683	685	685	678	0	8 05	695	15 06	644	51
16				685	686	687	688	690	691	690	693	683	675	675	671	659	652	661	662	672	684	685	685	687	687	687	685	680	0	7 28	694	13 09	645	49
17				684	682	684	687	688	690	696	701	701	690	691	679	664	664	659	670	675	677	673	670	662	674	678	679	680	1	8 00	706	14 30	654	52
18				677	680	683	685	685	682	682	685	687	689	694	690	677	668	658	657	666	676	682	682	682	678	672	674	679	0	10 20	698	15 16	653	45
19		✓		678	679	683	686	687	685	684	684	689	689	685	680	673	670	670	671	678	678	681	681	682	683	684	685	681	0	9 15	691	13 38	669	22
20			✓	687	689	689	687	686	687	690	692	700	702	692	689	677	644	641	662	674	681	687	683	676	670	676	677	681	1	8 49	711	14 20	632	79
21				673	670	671	677	683	686	682	676	677	668	652	646	632	630	640	647	655	662	665	665	665	666	666	669	663	0	5 55	692	13 00	621	71
22				670	675	674	671	675	679	679	682	682	672	661	656	655	656	661	663	669	671	658	661	663	653	658	661	667	1	8 05	685	22 00	642	43
23	✓			658	666	668	671	669	674	676	679	683	681	675	664	650	637	645	658	673	680	680	678	673	673	675	677	669	0	8 33	683	13 52	632	51
24				677	680	682	686	688	689	691	696	695	697	690	679	670	661	657	658	654	670	678	681	677	668	675	675	678	1	9 06	700	16 40	651	49
25				672	676	675	683	683	685	686	689	690	680	673	666	655	641	643	647	650	652	657	669	666	664	659	659	668	0	8 07	694	13 18	635	59
26		✓		666	670	670	672	675	680	681	683	688	690	690	685	678	671	668	670	668	670	679	681	681	680	677	677	677	0	9 10	692	0 00	660	32
27			✓	679	680	680	681	683	685	688	695	702	702	699	683	670	676	678	676	683	696	691	691	673	685	680	685	685	1	23 23	713	20 29	666	47
28				673	675	686	689	684	681	668	670	664	668	667	656	654	639	628	632	647	646	660	658	669	672	669	679	664	1	3 06	696	15 02	622	74
29	✓			677	675	675	675	678	680	682	686	690	681	667	665	668	663	656	663	670	674	674	674	678	680	677	678	674	0	8 47	691	14 21	654	37
30	✓			678	679	682	682	683	685	686	690	694	696	687	683	672	668	666	665	671	681	687	689	690	691	692	690	683	0	9 26	697	15 08	663	34
31																																		
MEANS ALL DAYS				672	675	677	679	681	681	682	685	688	686	681	674	666	659	657	661	666	671	673	672	670	670	671	673	674						51
MEANS TEN DAYS ✻				672	674	677	678	679	680	682	686	690	689	683	676	670	662	659	663	671	677	680	680	680	681	680	680	677						39
MEANS FIVE DAYS † (G. M. T.)				682	683	685	684	685	686	689	685 692	690 696	690	685	679	674	669	666	667	672	675	679	678	679	682	681	680	681						
MEANS FIVE DAYS ‡ (G. M. T.)				656	659	665	665	673	673	671	668	692	691	686	680	669	658	654	659	663	665	660	654	643	646	652	658	665						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

△ = NO RECORD

TABLE 84

HORIZONTAL INTENSITY

23980 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1937 — JULY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				690	689	690	691	693	692	695	700	701	701	706	700	690	676	656	666	672	676	678	684	684	674	672	677	686	0	10 30	707	14 36	653	54
2				680	682	682	688	691	689	687	689	694	699	696	690	687	683	676	676	681	682	682	683	685	685	683	678	685	0	9 30	700	14 50	672	28
3	✓	✓		677	680	682	682	686	685	684	687	692	693	686	684	679	673	670	659	659	667	676	678	679	679	680	681	679	0	9 15	695	16 07	653	42
4	✓			682	686	688	688	688	689	692	696	701	704	700	695	688	682	675	672	681	689	693	694	694	693	690	690	690	0	9 28	705	15 21	670	35
5				691	695	698	699	702	704	709	714	726	726	713	701	693	681	682	681	686	689	689	688	683	679	680	695	696	1	9 44	730	22 12	672	58
6				699	695	698	706	706	712	717	726	729	719	711	706	695	688	686	684	689	699	706	693	663	648	644	643	694	1	8 48	739	23 17	636	103
7				656	657	660	665	661	671	678	682	697	695	688	684	673	654	639	643	654	664	674	674	671	673	673	671	669	0	8 35	708	14 30	632	76
8	✓	✓		674	676	675	674	675	684	688	695	698	692	683	674	662	653	654	656	664	674	677	681	682	683	683	682	677	0	8 21	699	13 38	651	48
9				678	682	685	685	686	692	693	701	708	708	695	689	686	685	678	677	681	683	687	692	692	683	681	679	688	1	9 26	710	22 50	671	39
10				680	680	683	688	689	689	692	700	692	684	681	667	654	639	639	642	650	660	666	669	669	669	669	669	672	0	6 58	705	13 24	636	69
11				671	672	674	675	677	680	682	685	689	690	689	683	673	669	663	660	668	677	682	680	674	672	678	669	676	0	9 40	691	23 56	653	38
12	✓			662	665	665	672	679	679	683	678	680	686	698	688	675	661	651	653	664	676	679	682	680	679	679	679	675	0	10 20	700	14 52	647	53
13				679	679	681	681	682	682	685	690	696	695	687	681	674	673	672	671	673	680	681	681	680	678	681	685	681	0	9 00	696	15 55	670	26
14			✓	686	684	681	680	681	686	691	697	703	700	689	677	667	657	653	648	633	633	631	631	618	610	600	610	660	1	8 45	704	22 14	596	108
15				611	625	630	638	638	643	649	655	659	660	666	669	664	652	649	653	658	659	661	658	661	661	660	664	652	1	11 46	672	0 13	602	70
16	✓			665	665	663	659	666	665	667	670	674	672	669	671	669	661	657	654	658	667	670	672	673	676	676	672	667	0	21 34	681	15 30	653	28
17				676	674	673	674	679	680	687	698	700	698	691	682	677	674	662	658	669	681	685	685	688	688	687	686	681	0	8 09	702	15 24	652	50
18	✓			687	686	685	687	691	693	695	700	707	705	699	689	684	676	677	678	679	685	687	687	690	693	693	693	689	0	8 49	709	13 40	674	35
19			✓	695	697	699	691	692	697	706	711	718	713	703	694	693	687	680	679	679	688	688	687	689	715	708	705	696	1	21 24	721	16 00	675	46
20			✓	699	691	700	705	682	684	682	688	698	710	715	698	671	680	692	688	682	685	686	687	678	675	675	675	689	1	10 54	722	12 10	663	59
21				675	676	679	681	682	686	689	697	702	698	692	694	688	684	678	682	680	671	675	675	672	674	675	675	682	1	9 13	703	17 20	666	37
22			✓	677	684	686	685	679	680	680	688	686	682	669	653	641	617	605	604	612	604	606	624	619	615	622	624	648	1	7 27	691	18 14	579	112
23				629	636	641	643	658	668	676	673	681	681	669	666	662	652	635	627	628	640	629	634	641	638	651	648	650	1	9 05	687	16 10	623	64
24			✓	646	662	662	664	657	661	666	682	655	651	682	665	645	623	613	612	634	631	613	610	604	616	629	637	642	1	7 42	689	20 23	597	92
25				646	648	652	655	659	656	663	668	663	680	684	664	631	643	654	661	661	654	651	660	653	660	651	654	657	1	10 15	690	12 26	622	68
26				654	656	663	662	664	671	672	676	668	668	666	650	638	644	652	638	643	659	655	651	657	661	653	667	658	0	7 56	677	15 50	628	49
27	✓	✓		666	666	667	668	672	675	680	685	689	689	685	681	673	667	665	664	665	669	672	676	679	679	678	679	675	0	9 07	691	16 00	663	28
28	✓	✓		677	676	678	680	678	681	682	688	692	696	693	683	670	657	659	659	666	679	682	682	682	682	681	679	678	0	9 30	697	13 47	653	44
29	✓	✓		678	678	679	680	684	686	688	691	688	685	681	675	669	664	660	662	669	677	681	683	683	682	681	681	679	0	7 45	692	14 20	659	33
30				681	682	682	681	681	684	686	693	695	689	679	670	668	669	675	679	679	690	690	690	693	698	698	697	685	0	22 14	703	12 02	665	38
31	✓			689	688	688	689	688	688	692	696	696	696	689	685	680	668	670	675	684	692	690	689	686	683	685	684	686	0	9 15	697	13 53	664	33
MEANS ALL DAYS				673	675	676	678	679	682	685	690	693	692	689	681	672	664	661	660	665	670	672	673	671	671	671	672	676						54
MEANS TEN DAYS ✲				676	677	677	678	681	682	685	689	692	692	688	682	675	666	664	663	669	678	681	682	683	683	683	682	679						38
MEANS FIVE DAYS (G. M. T.) †				679	681	682	683	683	686	688	689 694	692 697	691	686	679	671	663	662	660	665	673	678	680	681	681	681	680	679						
MEANS FIVE DAYS (G. M. T.) ‡				652	655	660	664	664	667	672	676	692	691	692	677	663	653	649	646	648	648	645	648	642	646	647	650	660						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 85

HORIZONTAL INTENSITY

AUGUST 1937

23980 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				684	684	685	685	684	686	689	691	695	700	696	687	678	680	681	689	690	693	695	697	692	688	687	682	688	0	9 27	700	12 46	674	26
2			✓	689	688	683	682	686	691	691	687	693	704	697	663	638	610	577	566	559	547	555	577	588	584	578	586	634	1	9 26	706	17 30	532	174
3			✓	595	616	621	624	633	634	638	642	640	634	637	633	624	621	624	640	651	646	648	643	645	647	656	657	635	0	22 42	663	0 04	590	73
4			✓	659	661	661	662	663	672	679	660	679	647	656	651	626	614	615	615	621	637	646	645	646	647	643	642	648	1	6 33	686	15 17	608	78
5				649	650	658	658	667	671	672	678	683	692	689	678	665	658	653	649	652	661	668	669	668	668	668	669	666	0	10 10	694	15 38	648	46
6				669	668	671	674	670	670	674	681	689	694	694	691	683	663	647	643	650	659	660	655	658	663	663	668	669	0	9 25	695	15 33	641	54
7				669	676	674	680	677	671	676	695	714	714	713	707	684	656	640	652	657	657	659	655	660	666	669	668	675	0	8 58	718	14 26	636	82
8	✓			666	666	672	672	672	672	678	686	697	702	697	691	666	666	661	657	662	667	672	674	674	674	674	674	675	0	9 25	702	15 15	656	46
9	✓			676	677	677	677	679	679	682	692	700	704	700	692	679	657	647	642	653	664	675	677	677	677	678	678	677	0	9 24	705	15 22	639	66
10				680	679	678	680	681	683	683	686	686	690	690	688	677	667	662	665	668	670	673	676	676	672	671	673	677	0	9 52	692	14 34	660	32
11				674	678	681	679	678	679	683	688	694	696	691	675	660	649	645	655	668	677	684	686	686	685	686	686	678	0	9 25	697	14 10	645	52
12	✓			685	687	691	691	693	697	702	710	712	706	695	683	670	658	656	666	674	685	691	693	692	691	692	691	688	0	7 46	714	14 03	652	62
13	✓	✓		694	692	693	691	697	702	707	710	711	706	689	671	653	648	655	666	673	682	687	690	690	690	688	688	686	0	8 00	711	13 14	644	67
14				688	688	690	690	691	696	702	710	712	705	698	689	674	661	666	671	678	687	688	689	689	688	688	687	689	0	8 08	712	13 33	659	53
15				687	687	691	695	702	707	714	711	711	702	696	688	669	643	636	646	652	658	661	657	666	676	677	677	680	0	6 53	717	14 11	635	82
16	✓	✓		675	675	675	675	678	682	686	693	700	699	689	673	654	649	652	654	665	675	674	679	682	682	682	683	676	0	9 01	701	13 23	648	53
17	✓			684	685	685	686	687	687	692	698	701	694	677	660	648	645	652	664	677	682	682	680	684	686	685	688	680	0	8 30	701	13 38	641	60
18				683	683	683	684	685	686	687	694	702	706	700	695	680	663	651	652	668	679	686	691	689	692	692	692	684	0	9 17	707	15 04	645	62
19				692	693	693	693	692	696	699	701	702	698	692	683	672	666	669	676	681	690	694	696	694	692	689	685	689	0	8 25	703	13 32	665	38
20				688	691	689	689	687	687	694	699	700	702	696	684	674	672	669	672	683	688	690	692	694	694	692	692	688	0	9 30	702	15 16	667	35
21				692	694	696	696	696	697	698	700	704	706	706	700	689	676	670	670	673	678	678	677	678	678	683	683	688	0	10 25	708	15 29	667	41
22			✓	683	683	686	688	691	698	703	711	712	710	709	720	689	646	629	633	563	443	445	474	515	540	554	559	628	2	11 12	728	17 53	404	324
23				575	582	585	601	604	607	615	622	624	616	610	608	605	606	606	607	614	622	630	633	632	632	632	633	613	0	24 00	634	0 07	562	72
24	✓	✓		635	638	641	644	649	652	655	658	655	646	639	638	634	628	627	628	638	645	650	653	653	653	652	652	644	0	7 45	659	14 54	625	34
25	✓	✓		652	655	659	661	663	665	666	669	667	668	666	660	649	641	637	639	647	657	663	664	666	668	669	669	659	0	22 20	671	14 36	636	35
26				669	671	673	678	681	687	692	696	700	703	708	700	690	685	677	674	672	674	683	683	680	674	669	673	683	0	10 20	709	22 27	666	43
27			✓	676	677	681	680	681	681	682	681	677	680	687	683	668	655	653	654	654	660	666	666	668	670	669	687	672	1	23 23	698	14 50	651	47
28				664	656	660	675	675	669	665	674	676	674	667	661	650	641	641	645	656	652	640	636	636	648	659	658	657	0	3 43	688	19 43	631	57
29				669	667	667	669	670	671	676	688	699	699	687	677	669	664	662	654	652	650	658	667	669	670	670	668	670	0	9 54	703	17 33	645	58
30	✓	✓		669	669	669	670	673	675	676	682	685	680	676	665	649	641	643	650	658	665	671	675	676	676	677	677	669	0	8 35	686	13 40	640	46
31	✓			678	679	680	680	683	683	683	687	692	694	692	685	671	662	664	671	676	683	687	687	685	686	687	690	682	0	10 00	695	14 00	660	35
MEANS ALL DAYS				669	671	673	674	676	678	682	686	691	689	685	677	662	651	647	650	654	656	660	662	665	666	667	668	669						66
MEANS TEN DAYS *				671	672	674	675	677	679	683	688	692	690	682	672	657	650	649	654	662	670	675	677	678	678	678	679	674						50
MEANS FIVE DAYS † (G. M. T.)				674	676	677	679	681	684	687	682 692	684 694	680	672	661	648	641	643	647	656	665	669	672	673	674	674	674	670						
MEANS FIVE DAYS ‡ (G. M. T.)				628	633	637	644	648	651	654	655	680	675	677	670	649	629	620	622	610	587	592	601	612	618	620	626	635						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 86

HORIZONTAL INTENSITY

23980 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1937 SEPTEMBER 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1			✓	686	686	686	686	687	688	688	695	701	704	702	691	682	670	670	673	678	683	688	687	684	680	694	689	687	1	9	45	705	13	31	667	38
2	✓			684	684	685	695	688	689	689	694	686	684	679	668	658	656	658	664	674	680	680	679	679	680	680	680	679	0	3	33	702	13	00	654	48
3	✓	✓		681	683	684	685	685	685	686	686	680	666	658	661	663	660	660	661	666	672	675	675	677	679	680	680	674	0	7	35	687	13	54	657	30
4				682	684	684	687	691	695	699	706	708	709	704	694	686	664	653	659	666	672	678	680	681	679	680	679	684	0	9	25	710	14	30	650	60
5	✓			675	675	678	681	682	681	683	691	691	669	664	660	645	645	644	650	658	675	677	674	670	674	678	679	671	0	8	00	695	14	46	642	53
6	✓			678	679	680	682	682	684	684	687	692	694	690	687	676	675	671	666	668	673	676	674	678	681	682	680	680	0	9	12	696	15	57	665	31
7	✓			684	694	681	684	689	683	682	695	709	712	709	702	687	678	672	670	662	661	662	675	682	683	681	678	684	0	9	42	712	18	14	658	54
8	✓			682	685	692	695	694	692	694	698	705	711	712	708	691	674	665	666	676	683	683	686	686	686	686	687	689	0	9	37	713	15	15	663	50
9	✓			686	686	686	694	694	693	692	694	692	687	679	663	650	654	659	663	672	681	686	691	691	691	690	688	682	0	8	01	695	12	46	647	48
10			✓	688	693	691	691	693	692	695	703	706	703	700	695	673	672	671	674	672	681	686	688	689	688	689	692	689	1	8	30	707	12	44	667	40
11			✓	688	691	702	698	712	711	706	704	666	618	625	627	615	606	593	614	623	627	632	632	639	640	640	646	652	1	6	10	725	14	20	586	139
12		✓		650	653	653	654	656	656	659	661	661	657	656	657	657	651	643	641	649	660	668	667	666	667	667	666	657	0	18	40	668	15	17	639	29
13				668	670	671	673	674	673	673	674	672	669	668	666	652	652	648	638	641	648	657	652	654	671	660	663	662	0	21	42	677	15	28	637	40
14			✓	669	673	673	677	685	670	675	684	689	692	697	696	689	678	663	662	661	653	655	663	672	673	673	672	675	1	12	54	703	18	29	644	59
15				675	677	678	678	680	680	678	674	677	679	673	668	660	651	646	651	659	668	667	659	657	666	671	674	669	0	5	08	682	14	17	644	38
16				676	677	677	678	679	680	685	692	696	700	704	708	710	698	677	666	660	666	672	674	677	682	678	682	683	0	12	15	713	16	24	659	54
17				674	677	689	680	676	679	681	687	691	687	677	673	661	651	644	655	662	667	673	675	675	678	676	676	674	0	8	40	694	14	10	641	53
18				676	680	685	693	684	685	689	691	688	684	674	678	682	679	680	679	684	687	687	688	688	687	686	686	684	0	3	30	702	10	53	671	31
19	✓			688	680	679	675	675	686	688	674	667	663	653	642	646	660	659	663	671	676	677	675	670	666	666	669	670	0	5	51	695	11	50	634	61
20				674	676	677	677	680	682	682	682	681	683	684	683	683	684	683	680	681	683	684	686	686	686	684	684	682	0	20	37	687	0	00	672	15
21				686	686	687	689	689	691	694	690	677	675	690	691	685	685	680	677	675	681	686	686	686	686	685	683	685	0	7	00	698	9	39	670	28
22				685	685	690	688	695	693	691	701	703	706	703	702	691	680	680	683	688	691	692	690	681	681	681	684	690	0	9	20	707	15	07	674	33
23				684	680	683	686	685	687	689	695	701	698	693	696	689	678	669	662	666	674	683	675	678	679	674	680	683	0	8	48	702	15	42	661	41
24				679	680	680	678	683	687	686	688	683	668	659	657	645	636	637	641	653	661	662	661	672	668	655	657	666	0	5	43	697	14	00	630	67
25		✓		663	664	665	668	668	674	678	683	692	696	692	683	674	674	675	675	676	680	682	685	686	685	684	685	679	0	9	30	697	0	00	660	37
26				684	685	686	687	686	686	688	693	693	686	680	671	658	656	667	659	663	680	678	678	681	681	681	692	679	0	8	18	696	15	53	651	45
27				676	676	679	681	682	684	686	692	697	699	706	696	677	666	657	658	674	679	679	682	682	680	680	678	681	0	10	25	708	15	32	654	54
28	✓	✓		676	676	680	684	685	683	687	691	691	688	685	678	670	676	679	684	681	675	672	672	670	673	681	673	680	0	8	04	693	12	17	669	24
29	✓	✓		679	684	682	682	681	679	679	679	677	676	670	671	673	678	682	684	686	689	689	690	690	691	692	692	682	0	22	00	692	10	29	669	23
30			✓	692	693	694	695	697	697	699	699	695	694	691	689	691	694	696	697	699	703	705	705	707	713	716	713	699	1	21	47	738	11	24	688	50
31																																				
MEANS ALL DAYS				679	680	682	683	685	685	686	689	689	685	683	679	671	666	663	664	668	674	676	677	678	679	679	680	678								46
MEANS TEN DAYS *				681	683	683	686	686	686	686	689	689	685	680	674	666	666	665	667	671	676	678	679	679	680	682	681	679								42
MEANS FIVE DAYS † (G. M. T.)				681	683	683	685	686	686	688	680 690	680 689	677	672	670	667	668	668	669	672	675	677	678	678	679	681	679	678								
MEANS FIVE DAYS ‡ (G. M. T.)				680	681	679	674	675	673	673	672	691	682	683	680	670	664	659	664	667	669	673	675	678	679	682	682	675								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE MAGNETIC STORM
= INTERPOLATED
= ESTIMATED
= LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 87

HORIZONTAL INTENSITY

23980 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1937

OCTOBER 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				703	699	678	644	641	631	631	627	623	634	638	639	633	606	598	604	613	625	629	625	630	634	634	644	636	1	1 36	724	14 33	594	130
2				645	644	644	665	650	642	644	646	652	655	651	647	642	638	634	644	646	654	657	659	661	662	662	662	650	0	3 37	678	14 43	631	47
3				665	668	668	672	675	676	676	679	682	681	671	668	676	676	677	676	667	671	672	687	663	650	650	635	670	1	19 23	703	23 09	627	76
4			✓	650	664	670	667	671	676	676	664	615	595	577	543	524	531	508	526	570	589	597	594	596	604	607	608	605	1	7 19	682	14 56	488	194
5				612	623	623	623	626	633	632	634	629	626	621	619	618	628	634	638	637	638	640	643	643	641	643	650	631	0	22 50	657	0 37	605	52
6	✓			647	652	655	658	662	664	669	677	681	679	666	655	650	646	649	657	665	665	665	669	675	674	668	679	664	0	23 57	690	13 45	643	47
7				682	677	672	671	671	677	680	690	693	696	690	683	683	707	704	704	684	684	677	673	671	661	653	650	681	1	13 24	723	24 00	646	77
8			✓	644	661	682	676	657	656	664	667	660	635	613	599	598	594	591	599	604	607	620	632	643	643	645	647	635	1	2 49	694	12 43	576	118
9			✓	674	661	653	651	649	647	649	653	658	659	658	651	648	641	643	653	667	668	678	678	657	630	609	585	651	2	0 45	688	23 17	560	128
10			✓	605	622	644	646	636	645	647	652	664	676	671	671	657	660	641	598	601	627	643	620	634	627	636	645	640	1	10 07	680	15 54	582	98
11			✓	642	645	649	651	650	649	655	664	659	658	659	657	646	639	642	651	661	675	675	675	676	687	692	656	659	1	22 19	747	23 25	618	129
12				668	654	660	653	662	651	656	666	659	664	660	653	642	640	643	655	634	645	637	646	652	658	660	662	653	1	0 00	689	16 36	623	66
13				663	665	668	680	674	673	666	665	672	664	653	648	638	633	641	643	645	652	654	658	660	655	674	663	659	0	3 30	696	13 51	629	67
14				656	661	662	665	668	669	675	679	681	688	683	653	648	647	662	660	657	662	667	665	672	668	673	674	666	0	9 31	691	11 48	639	52
15				673	676	678	682	686	688	690	689	686	691	689	675	658	657	664	665	675	657	645	643	668	651	654	651	670	1	9 52	694	19 13	622	72
16	✓			652	649	659	663	655	656	654	648	645	650	657	660	655	650	654	655	647	655	663	667	669	673	670	671	657	0	23 45	676	8 17	643	33
17	✓	✓		670	670	667	668	671	674	677	678	681	681	673	660	660	659	665	667	672	676	676	677	678	679	681	681	673	0	8 55	684	13 20	657	27
18	✓	✓		682	679	680	682	684	684	684	686	684	683	678	674	673	675	679	680	676	677	671	664	672	682	683	686	679	0	23 47	689	19 50	661	28
19	✓			689	690	693	695	698	700	703	704	700	696	688	684	683	681	682	686	686	684	686	680	675	672	682	682	688	0	7 32	706	20 57	665	41
20	✓	✓		685	687	687	689	689	694	698	699	701	697	694	698	699	698	696	691	689	688	689	690	689	686	687	687	692	0	8 17	701	0 09	683	18
21	✓			687	688	690	692	694	698	705	711	710	708	705	701	697	694	691	685	694	697	696	686	672	665	662	665	691	0	7 58	712	22 47	660	52
22				665	671	676	679	682	685	689	692	695	694	689	676	668	660	658	663	674	680	681	685	672	664	681	684	678	0	8 34	696	14 37	654	42
23				682	687	687	683	689	686	686	684	674	660	660	668	671	669	677	683	673	662	650	636	646	647	648	658	669	1	1 50	696	20 25	626	70
24				671	676	684	675	690	683	673	662	635	642	650	641	631	637	642	655	662	650	638	645	651	636	638	656	655	1	4 35	702	8 45	620	82
25				654	653	654	662	661	658	665	669	661	651	650	656	662	664	676	678	667	667	668	667	676	677	658	644	662	0	20 40	683	23 22	642	41
26				657	670	662	663	665	668	674	677	670	663	649	623	623	653	652	632	638	631	647	651	653	655	658	655	654	1	7 14	679	11 33	616	63
27				665	675	674	670	670	666	666	666	656	650	643	637	632	642	653	669	659	651	649	664	651	632	641	658	656	1	1 53	682	12 28	626	56
28				652	647	651	654	656	659	663	660	659	652	644	647	646	640	643	657	665	679	675	660	673	673	674	682	659	1	23 51	697	14 07	631	66
29	✓	✓		684	679	683	683	688	695	684	686	680	669	656	647	641	638	646	661	674	678	678	680	681	683	683	682	673	0	5 15	700	13 20	636	64
30	✓	✓		673	679	683	683	680	683	687	689	685	682	680	673	667	668	673	676	680	681	680	680	683	683	683	683	680	0	7 20	690	12 35	665	25
31	✓			684	685	687	687	689	689	692	690	682	676	666	668	673	678	682	684	680	678	676	675	684	680	680	683	681	0	6 35	692	10 40	665	27
MEANS ALL DAYS				664	666	668	669	669	670	671	673	669	666	661	654	650	650	652	655	657	660	661	660	662	659	660	660	662						67
MEANS TEN DAYS *				675	676	678	680	681	684	685	687	685	682	676	672	670	669	672	674	676	678	678	677	678	678	678	680	678						36
MEANS FIVE DAYS † (G. M. T.)				683	684	687	688	689	691	694	688 696	686 692	682	676	670	668	668	672	675	678	680	679	678	681	683	683	684	681						
MEANS FIVE DAYS ‡ (G. M. T.)				640	641	646	645	645	645	648	654	651	645	636	624	615	613	605	605	621	633	643	640	641	638	638	628	635						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 88

HORIZONTAL INTENSITY

NOVEMBER 1937

23980 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			685	685	687	689	694	693	697	697	686	674	670	668	672	679	686	687	685	684	684	685	677	674	679	676	683	0	7 00	698	11 50	666	32
2				678	680	686	696	691	692	701	705	700	685	665	663	666	668	673	677	677	681	673	681	687	687	684	683	682	0	7 25	705	11 12	662	43
3				686	689	689	698	684	686	691	691	685	672	664	664	671	675	672	680	681	684	685	686	683	683	686	686	682	0	3 30	702	11 05	662	40
4		✓		687	688	691	692	694	698	702	701	693	688	687	692	699	698	696	696	695	692	692	693	695	688	688	689	693	0	6 55	703	21 40	685	18
5	✓	✓		689	691	694	696	697	703	710	710	701	693	692	691	692	691	692	694	702	704	700	700	698	698	698	697	697	0	7 00	712	13 49	687	25
6		✓		697	695	698	699	701	703	710	713	707	699	693	691	690	693	696	702	702	699	698	694	690	688	689	690	697	0	7 30	713	23 14	686	27
7				687	686	689	691	692	694	698	698	695	690	683	678	680	677	686	690	693	690	690	691	694	691	690	684	689	0	7 23	699	13 18	676	23
8				685	700	700	716	699	703	710	714	699	717	713	709	694	685	676	675	675	676	679	682	684	685	693	689	694	1	7 16	721	16 35	668	53
9				690	695	708	685	681	681	694	693	693	690	681	680	673	664	676	655	652	666	669	672	669	676	690	678	680	1	2 17	718	15 55	645	73
10	✓			675	679	679	679	684	689	693	694	693	690	687	682	680	668	665	672	680	682	684	684	687	680	681	685	682	0	8 05	697	13 48	663	34
11				684	685	686	687	690	696	705	715	715	714	710	702	692	686	686	683	677	685	680	686	682	684	692	692	692	1	9 27	718	18 50	670	48
12	✓			694	695	702	701	702	700	696	701	711	717	713	710	709	705	693	687	684	686	684	682	682	686	690	692	697	0	9 18	719	20 05	678	41
13	✓			694	701	704	704	701	695	697	707	714	715	717	713	710	707	703	701	694	692	694	696	697	697	697	699	702	0	10 28	718	17 30	690	28
14	✓			698	700	710	699	697	702	703	700	703	706	710	713	710	708	708	702	699	696	690	690	691	695	698	694	701	0	11 40	716	19 07	684	32
15	✓	✓		693	694	695	696	696	697	698	701	708	716	720	718	716	709	705	704	700	698	698	699	700	699	698	698	702	0	11 00	721	0 05	690	31
16	✓	✓		697	700	701	701	701	699	699	704	713	718	715	710	705	699	697	698	701	702	703	703	704	704	704	704	703	0	9 45	720	14 25	696	24
17				704	704	706	707	708	711	714	713	708	711	708	705	705	700	693	692	697	702	705	704	699	694	695	696	703	0	6 30	715	15 07	690	25
18			✓	693	702	703	705	703	707	703	693	683	676	675	679	686	682	680	667	664	655	661	635	625	663	661	671	678	1	6 00	708	20 03	612	96
19			✓	681	682	689	667	664	678	680	680	676	675	675	686	688	684	680	686	662	663	672	665	662	678	665	647	674	1	21 07	705	23 50	633	72
20				650	655	657	660	667	667	669	672	674	677	669	672	667	671	665	664	665	661	651	654	668	676	680	673	666	1	22 02	689	0 00	636	53
21				664	663	670	671	679	683	689	693	694	694	688	686	686	685	678	673	670	683	679	680	703	689	683	685	682	0	20 20	707	0 27	658	49
22				690	694	710	701	694	698	704	705	704	704	693	681	685	682	687	679	695	695	676	668	673	694	676	666	690	1	2 17	719	23 30	660	59
23			✓	682	678	674	676	674	675	669	677	676	680	681	670	672	673	667	663	668	672	674	685	687	674	688	682	676	1	20 15	703	16 14	654	49
24				677	685	687	679	675	678	686	690	686	691	691	681	671	675	680	678	675	668	676	677	674	669	662	665	678	1	10 23	699	22 00	660	39
25	✓			671	675	678	677	679	677	678	679	682	696	706	704	693	688	683	683	682	683	689	692	693	690	688	685	685	0	10 30	708	0 00	669	39
26	✓			686	687	689	692	698	692	697	699	699	699	696	685	675	674	678	682	688	689	689	689	690	700	707	695	691	0	22 30	707	12 49	672	35
27				703	698	699	699	700	699	700	708	718	722	716	713	705	704	701	697	698	695	695	697	693	691	688	690	701	0	9 15	724	22 04	686	38
28				694	700	700	708	703	699	696	696	696	698	695	685	693	708	695	682	671	659	660	665	668	669	664	660	686	1	13 17	710	18 04	651	59
29			✓	661	667	681	683	683	685	692	687	688	697	698	703	695	701	697	693	694	680	683	699	686	662	671	670	686	1	19 07	717	0 15	655	62
30			✓	667	688	675	680	669	678	677	678	682	684	684	687	689	691	673	661	652	646	643	642	637	650	643	632	667	1	13 22	694	23 57	627	67
31																																		
MEANS ALL DAYS				685	688	691	691	690	692	695	697	696	696	693	691	689	688	686	683	683	682	682	683	683	684	684	682	688						44
MEANS TEN DAYS ✻				688	691	694	693	695	695	697	699	701	702	703	699	696	693	691	691	692	692	692	692	692	692	694	692	694						32
MEANS FIVE DAYS † (G. M. T.)				695	695	698	699	700	702	706	706 708	704 705	703	701	700	700	698	697	699	700	699	698	698	697	695	695	696	699						
MEANS FIVE DAYS ‡ (G. M. T.)				667	675	673	667	664	671	673	672	681	682	683	685	686	686	679	674	668	663	667	665	659	665	666	660	672						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE. MAGNETIC STORM

| = INTERPOLATED

[= ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 89

HORIZONTAL INTENSITY

23979 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1937 — DECEMBER 1937

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				658	663	655	647	643	655	651	642	626	635	628	632	639	646	645	648	639	632	630	632	634	632	635	642	641	1	0 36	679	8 33	612	67
2				650	655	670	667	671	676	677	672	671	674	676	671	670	671	670	665	655	666	671	667	662	665	666	671	668	0	6 20	679	0 06	640	39
3	✓			675	682	678	676	677	679	680	689	697	698	696	690	695	709	701	700	686	686	684	687	685	688	687	689	688	0	13 24	711	0 07	672	39
4	✓	✓		690	690	689	690	691	690	695	698	696	695	691	687	685	687	685	687	690	691	688	692	693	693	696	696	691	0	7 20	699	12 00	683	16
5	✓			695	695	694	696	702	704	708	706	707	707	706	706	711	713	709	706	703	701	701	704	703	701	700	696	703	0	13 37	715	2 04	692	23
6				698	699	700	704	703	705	713	721	726	723	707	692	685	697	710	718	718	711	702	694	683	681	685	692	703	0	9 00	728	21 20	675	53
7				704	700	702	700	698	699	705	707	711	712	707	701	693	699	703	699	702	680	686	690	693	695	698	690	699	1	10 03	714	17 35	677	37
8				689	695	692	685	689	691	693	694	693	687	683	677	683	687	686	690	692	690	685	683	683	684	682	676	687	1	1 50	701	23 20	664	37
9				684	692	689	689	694	698	697	697	699	694	682	678	680	695	696	693	694	695	696	696	695	696	693	692	692	0	8 48	702	11 52	673	29
10				695	691	695	697	699	700	704	702	703	699	689	685	692	690	684	693	697	697	698	698	698	712	691	689	696	1	21 28	726	11 50	680	46
11				690	692	701	702	702	701	696	704	709	712	707	707	705	691	687	697	700	700	694	685	678	680	685	686	696	1	9 13	714	14 03	665	49
12	✓			691	693	695	696	696	696	693	691	696	698	696	697	699	700	699	701	699	698	696	695	697	697	696	698	696	0	23 30	703	0 16	687	16
13		✓		697	698	698	698	697	700	702	700	703	707	709	710	712	713	706	699	696	688	690	698	701	701	701	701	701	0	13 13	717	18 12	685	32
14	✓	✓		703	703	704	702	704	708	711	710	706	711	708	695	684	680	688	703	705	704	705	706	705	709	707	704	703	0	9 46	713	13 45	677	36
15	✓			705	707	705	705	704	706	705	706	716	728	733	723	714	709	708	708	711	714	712	703	698	701	704	704	710	0	10 05	735	20 55	696	39
16	✓			706	708	711	716	722	726	725	726	721	708	706	693	700	706	710	714	718	717	713	712	713	712	712	712	713	0	5 50	727	11 35	691	36
17				712	711	712	715	716	720	722	721	726	726	713	702	702	703	712	724	732	731	721	721	720	717	714	718	717	0	16 57	736	12 07	699	37
18			✓	717	716	710	708	710	713	719	716	709	707	692	683	692	705	722	725	723	725	711	684	671	661	648	645	700	1	17 50	728	23 53	638	90
19			✓	644	663	659	677	691	680	684	678	669	664	656	645	646	660	665	685	682	670	661	662	667	664	667	667	667	1	4 18	697	11 40	640	57
20			✓	695	696	678	706	687	683	683	683	679	669	658	660	653	664	676	687	690	691	685	684	688	695	689	685	682	1	3 25	718	12 50	650	68
21				686	699	692	686	687	687	683	681	680	681	682	681	688	684	673	679	689	693	692	695	695	696	696	696	688	0	1 40	712	14 25	671	41
22				698	700	698	691	694	694	701	706	707	709	706	702	700	697	693	693	681	684	686	696	686	687	679	685	695	0	2 10	719	22 24	674	45
23			✓	679	682	680	680	684	687	686	685	685	692	689	680	679	678	681	692	692	693	678	666	653	632	652	641	677	1	16 12	699	21 56	608	91
24			✓	635	627	622	660	638	645	651	655	658	654	652	650	648	646	646	652	656	661	659	661	664	669	669	675	652	0	24 00	682	1 57	615	67
25				684	672	666	680	668	681	675	680	682	673	664	665	669	655	646	662	673	667	669	661	660	666	671	672	669	1	3 14	694	14 45	642	52
26				673	674	674	677	679	681	687	690	700	696	691	683	670	651	647	659	673	674	677	676	662	676	674	674	676	1	8 53	702	14 28	643	59
27	✓	✓		671	674	675	677	676	676	672	668	673	680	689	698	710	702	689	694	689	685	689	692	692	691	691	692	685	0	12 47	723	7 35	668	55
28	✓	✓		692	693	693	694	694	698	699	695	693	693	690	687	685	678	676	684	695	702	694	693	693	694	697	699	692	0	17 25	705	13 54	673	32
29	✓			695	697	699	698	698	701	702	699	698	708	713	710	702	691	687	689	696	701	700	700	700	700	697	697	699	0	10 48	714	15 03	685	29
30				697	698	701	703	704	707	708	703	701	700	701	705	714	716	709	709	717	712	700	689	691	688	691	692	702	0	16 55	720	19 35	686	34
31				696	700	706	709	709	712	714	711	717	719	729	736	735	731	732	729	726	721	713	713	716	708	687	687	715	0	12 00	738	22 53	682	56
MEANS ALL DAYS				687	689	688	691	691	694	695	695	695	695	692	688	688	689	688	693	694	693	690	688	686	687	686	686	690						45
MEANS TEN DAYS ✱				692	694	694	695	696	698	699	699	700	703	703	699	698	698	695	699	699	700	698	698	698	699	699	699	698						32
MEANS FIVE DAYS † (G. M. T.)				698	699	699	699	700	703	705	694 703	694 704	697	697	695	695	692	689	693	695	694	693	696	697	698	698	698	697						
MEANS FIVE DAYS ‡ (G. M. T.)				669	671	663	682	674	675	675	675	680	677	669	664	664	671	678	688	689	688	679	671	669	664	665	663	673						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 90

VERTICAL INTENSITY

JANUARY 1937

50960 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		445	441	440	440	440	442	450	462	472	466	444	425	413	403	402	402	411	426	440	447	446	447	448	449	438	0	8 49	475	15 10	400	75
2				446	441	439	439	439	443	451	461	475	472	455	416	382	377	390	409	424	428	433	434	437	439	442	442	434	0	8 55	477	13 10	375	102
3				442	439	437	437	438	437	441	432	445	442	426	396	394	405	416	430	442	448	450	451	450	447	448	447	435	0	19 30	455	11 42	389	66
4				443	442	439	439	439	442	446	452	459	457	437	417	392	380	385	398	418	439	447	445	441	444	442	443	433	0	8 54	462	13 38	377	85
5	✓			443	436	435	438	441	442	438	437	442	439	431	424	417	412	410	418	426	430	430	435	438	439	442	442	433	0	5 36	443	14 10	409	34
6	✓			442	438	439	438	438	441	443	446	440	435	419	393	382	386	410	431	441	442	437	435	436	436	438	438	430	0	7 18	447	12 26	381	66
7			✓	441	440	439	437	440	442	439	435	431	428	414	405	407	416	423	436	446	443	441	435	437	439	442	451	434	1	23 54	456	12 00	403	53
8				461	473	475	447	450	444	436	432	432	399	361	349	363	387	413	424	433	440	443	441	443	444	445	445	428	0	2 44	480	11 47	349	131
9			✓	445	445	447	446	445	449	458	462	457	441	411	390	397	411	425	443	450	466	465	451	442	446	447	444	441	1	17 22	471	11 41	389	82
10			✓	443	443	443	442	448	457	464	457	449	439	404	385	390	388	395	416	431	449	458	470	458	462	453	453	437	1	19 25	491	11 26	383	108
11				446	446	444	441	443	437	453	458	459	442	426	415	413	409	413	430	440	446	446	447	446	451	456	453	440	1	8 20	464	13 12	405	59
12				446	437	435	442	444	447	460	459	457	446	428	422	423	424	435	435	435	441	447	446	448	448	451	459	442	1	6 35	470	11 48	420	50
13				455	439	437	439	441	449	454	451	446	421	391	377	379	392	409	427	438	445	452	452	457	449	446	443	433	0	0 12	460	12 00	374	86
14				441	439	441	441	442	448	461	468	465	446	420	407	408	411	422	429	432	439	443	447	446	448	447	444	439	0	8 22	470	11 20	406	64
15	✓	✓		443	441	441	442	444	453	462	467	457	434	408	389	382	393	406	418	430	431	431	429	433	433	434	433	431	0	7 40	469	12 14	382	87
16	✓	✓		431	430	428	428	431	437	444	450	449	443	410	390	384	391	403	420	431	434	431	427	431	434	434	431	426	0	7 12	451	12 30	382	69
17				430	428	427	426	427	438	450	462	466	440	378	345	347	364	388	409	433	446	436	426	430	432	433	432	421	0	8 20	469	11 35	342	127
18	✓			430	429	426	425	426	434	447	455	453	435	387	361	359	363	382	402	416	428	435	431	431	433	431	431	419	0	7 40	457	12 04	357	100
19	✓			432	426	424	423	426	432	440	451	456	442	409	379	371	381	407	426	434	438	438	437	438	440	443	442	426	0	8 35	457	11 55	370	87
20				439	436	435	435	435	439	442	444	441	433	413	392	382	386	398	408	416	428	435	433	433	439	448	452	427	0	23 00	454	12 42	380	74
21				444	437	435	435	432	434	440	447	441	428	405	383	376	378	393	414	425	431	435	440	443	447	440	436	426	1	7 52	455	13 12	374	81
22				438	440	438	430	432	436	439	458	466	448	414	393	397	401	405	406	418	431	439	438	438	438	438	436	430	0	8 40	470	11 31	390	80
23	✓	✓		435	435	435	435	439	444	452	457	455	435	404	389	389	399	410	423	435	438	435	433	434	434	435	438	430	0	8 04	458	11 53	385	73
24	✓			436	435	435	434	436	442	447	450	446	434	410	392	372	368	381	401	417	433	440	441	438	436	436	433	425	0	7 00	451	12 52	364	87
25	✓	✓		433	433	433	433	434	436	444	446	436	416	400	383	374	374	390	407	420	434	441	440	436	436	435	435	423	0	7 38	449	12 50	371	78
26				434	433	433	433	434	442	454	456	448	429	407	387	375	371	374	386	402	426	437	435	433	433	433	433	422	0	7 05	457	13 35	370	87
27			✓	431	429	429	429	432	438	454	464	450	419	375	342	342	369	395	424	436	435	438	448	457	444	442	442	424	1	7 50	466	12 05	337	129
28				448	442	442	440	443	454	468	467	471	451	418	398	389	379	399	413	427	434	443	444	447	452	452	450	436	1	8 14	475	13 25	375	100
29				447	440	440	440	442	451	458	453	449	425	403	393	394	402	408	424	435	439	440	442	446	445	445	444	434	0	6 44	460	11 50	390	70
30			✓	441	440	439	439	440	446	456	464	463	437	384	352	339	349	379	412	425	433	442	440	440	444	449	457	425	1	24 00	468	12 26	337	131
31				463	442	437	436	433	445	459	463	464	442	400	372	358	363	376	408	433	446	443	438	438	439	439	439	428	0	0 15	476	12 30	356	120
MEANS ALL DAYS				442	439	438	436	438	443	450	454	453	438	409	389	384	388	401	417	429	438	441	441	441	442	442	442	431						85
MEANS TEN DAYS ✲				437	434	434	434	436	440	447	452	451	438	412	392	384	387	400	415	426	433	436	436	436	437	438	437	428						76
MEANS FIVE DAYS (G. M. T.) †				435	433	432	432	433	440	449	456 456	454 457	439	413	395	388	392	402	414	425	433	436	435	436	437	437	437	429						
MEANS FIVE DAYS (G. M. T.) ‡				452	449	448	441	443	447	456	455	450	433	398	375	375	387	403	426	438	445	449	449	447	447	447	449	434						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 91

VERTICAL INTENSITY

50959 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1937 — FEBRUARY 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			438	437	436	434	436	442	453	468	471	446	398	367	370	384	404	423	440	453	446	443	445	446	449	445	432	0	8	02	475	11 50	362	113
2				438	437	436	436	436	444	458	468	468	442	409	375	364	364	374	389	405	427	435	435	438	439	444	444	425	0	8	05	473	12 44	362	111
3			✓	442	439	438	435	435	435	444	452	462	437	399	389	398	397	419	452	450	457	460	455	456	455	456	456	438	1	8	15	470	11 25	365	105
4				459	478	480	455	444	450	455	457	459	439	418	408	409	410	422	435	446	455	459	460	462	459	456	449	447	1	2	07	498	11 45	406	92
5			✓	451	449	445	443	446	451	463	467	471	467	451	426	408	409	423	429	434	439	442	445	450	450	447	447	444	1	9	17	477	12 50	406	71
6				447	438	443	436	428	450	451	461	468	461	452	447	430	420	426	435	439	446	462	452	450	453	455	450	446	1	8	23	474	13 30	419	55
7	✓			441	441	439	439	434	449	465	469	466	453	436	423	416	419	428	439	451	455	451	451	448	445	445	441	444	0	8	02	473	12 59	415	58
8	✓	✓		441	441	441	443	440	445	461	465	459	442	427	417	409	404	410	429	441	446	445	445	445	442	442	442	438	0	7	02	468	13 35	402	66
9			✓	442	440	440	439	440	445	457	460	454	440	414	392	393	400	409	429	444	448	447	448	455	463	471	466	439	1	22	22	484	11 45	388	96
10				464	455	456	448	448	453	440	456	459	446	418	405	396	387	401	419	438	446	446	450	454	463	462	458	440	1	21	30	478	13 20	381	97
11				448	444	440	445	446	452	453	465	474	457	429	399	396	399	413	433	446	458	456	453	458	453	455	447	442	1	8	20	485	12 26	393	92
12				445	443	441	441	433	443	458	470	474	462	430	398	375	357	360	396	430	447	453	450	450	451	454	450	434	1	8	12	480	14 02	349	131
13				454	452	441	441	436	429	441	458	469	463	440	405	380	377	383	401	423	441	449	451	461	458	454	449	436	1	8	05	470	13 11	375	95
14	✓			446	444	435	429	431	438	442	459	466	466	446	433	412	399	406	420	435	446	449	446	446	446	447	446	439	0	8	15	472	13 11	397	75
15				450	451	449	439	421	425	437	450	455	468	455	431	404	378	382	409	431	445	446	443	452	452	455	455	437	0	9	38	469	13 57	374	95
16				455	443	436	422	435	440	450	463	475	476	456	419	369	352	375	401	423	440	448	453	461	467	465	463	437	0	9	30	480	13 10	349	131
17				458	442	440	438	437	436	440	456	470	470	455	422	391	374	370	390	417	435	446	444	445	462	464	458	436	0	21	50	476	14 29	369	107
18				448	446	435	434	438	434	435	450	469	462	445	421	406	389	393	411	422	434	442	445	451	447	447	446	435	1	8	50	472	13 49	384	88
19			✓	445	442	440	436	433	424	437	455	470	464	449	424	393	376	363	375	396	420	437	448	461	462	455	456	432	1	8	37	480	14 42	358	122
20				471	469	444	437	438	440	452	460	462	451	432	410	386	366	381	396	414	430	435	436	440	441	440	444	432	1	0	49	486	13 29	359	127
21			✓	445	443	441	436	431	434	443	459	474	467	435	395	349	344	360	382	405	425	437	437	438	442	445	450	426	1	8	27	474	13 06	336	138
22				445	439	434	420	432	442	448	463	475	467	435	392	350	341	353	379	412	436	449	452	459	465	455	450	429	0	8	29	478	13 50	340	138
23	✓	✓		442	440	439	437	441	445	453	470	479	464	429	384	346	336	357	384	414	437	446	444	442	442	439	438	427	0	8	28	481	13 10	332	149
24	✓	✓		438	436	435	435	438	441	448	465	482	469	440	396	338	324	352	387	412	441	443	440	443	444	445	443	426	0	8	43	485	13 20	320	165
25	✓			439	438	435	434	435	439	451	469	486	476	437	365	305	309	340	380	408	429	436	437	436	438	440	440	421	0	8	33	490	12 40	297	193
26	✓	✓		436	433	433	432	434	437	447	464	474	465	442	411	367	329	340	377	410	432	439	442	445	445	443	442	426	0	8	20	475	13 35	324	151
27	✓	✓		439	438	436	435	435	438	447	464	475	471	446	396	337	333	353	381	409	430	438	434	438	452	451	443	426	0	8	33	479	11 57	327	152
28	✓			441	436	433	433	432	436	447	464	473	461	431	396	363	358	365	383	402	424	427	431	435	440	445	446	425	0	8	20	475	13 20	357	118
29																																		
30																																		
31																																		
MEANS ALL DAYS				447	444	441	437	436	441	449	462	469	459	434	405	381	373	384	406	425	440	445	445	449	451	451	449	434							112
MEANS TEN DAYS ✻				440	438	436	435	436	441	451	466	473	461	433	399	366	360	376	400	422	439	442	441	442	444	445	443	430							124
MEANS FIVE DAYS † (G. M. T.)				440	438	436	435	436	440	450	466 464	474 474	462	437	401	359	345	362	392	417	437	442	441	443	445	444	442	428							
MEANS FIVE DAYS ‡ (G. M. T.)				457	455	451	439	438	447	449	459	466	455	430	405	388	385	395	413	426	438	445	447	452	454	455	455	438							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 92

VERTICAL INTENSITY

50959 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1937 — MARCH 1937

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	444	442	440	436	432	434	443	453	455	444	432	411	385	372	373	386	397	421	432	444	452	450	451	452	428	1	7 38	459	13 50	368	91
2				444	445	435	434	428	433	431	453	462	456	437	409	379	371	382	402	432	446	460	455	447	452	464	457	434	1	8 14	475	13 02	369	106
3	✓	✓		457	449	433	431	435	440	449	456	459	457	433	409	399	399	405	413	424	433	439	439	441	442	443	444	435	0	8 53	462	13 05	398	64
4				442	441	440	439	438	440	443	453	461	458	441	412	387	378	386	397	416	429	435	438	438	437	442	442	431	0	8 53	463	13 20	377	86
5			✓	442	442	441	439	438	439	444	454	459	459	438	414	382	373	385	391	406	433	479	488	484	488	491	455	440	1	22 20	505	13 01	369	136
6	✓			449	442	447	438	441	441	448	461	465	451	427	416	414	419	427	434	441	445	444	441	441	444	445	445	440	0	8 10	469	11 54	411	58
7	✓	✓		445	445	444	443	444	444	453	462	468	458	430	409	401	402	408	413	421	433	440	441	441	441	442	442	436	0	8 38	469	12 54	400	69
8	✓	✓		442	442	442	441	441	443	447	455	463	458	436	405	381	380	390	409	428	438	439	439	439	439	439	439	432	0	8 06	464	12 52	376	88
9	✓			440	439	439	439	439	440	447	457	458	443	426	410	395	394	397	406	423	438	444	441	440	442	444	447	433	0	8 08	460	12 57	389	71
10	✓			440	440	440	435	443	448	456	466	461	442	415	395	379	382	394	407	422	432	440	441	440	441	441	440	431	0	7 52	471	12 49	375	96
11		✓		439	439	439	439	438	440	449	458	463	449	417	384	366	370	384	404	422	434	437	438	438	438	439	438	428	0	8 33	465	12 44	362	103
12	✓	✓		438	437	436	437	439	442	447	460	467	451	422	392	372	367	380	398	417	432	437	437	438	438	438	437	427	0	8 10	468	13 10	365	103
13				435	433	433	433	434	438	446	454	457	445	413	377	364	369	386	403	419	428	429	436	436	437	437	437	424	0	8 05	458	12 24	361	97
14				440	442	437	432	436	440	446	446	439	445	432	406	396	388	396	407	420	438	456	450	443	441	441	444	432	1	18 50	467	13 47	385	82
15			✓	443	431	437	434	432	437	441	445	445	436	416	392	382	382	395	408	432	450	459	473	517	503	492	462	439	1	21 45	555	12 56	378	177
16				454	452	451	449	446	449	454	454	453	440	421	403	397	402	407	419	430	442	443	444	446	446	449	449	438	0	8 00	458	12 22	396	62
17				449	449	449	438	440	439	449	458	465	454	421	391	370	377	391	416	433	441	445	444	445	445	448	448	434	0	8 10	467	12 26	367	100
18	✓			445	443	436	436	440	432	443	457	462	453	428	404	399	400	407	421	435	445	445	440	440	441	441	443	435	0	8 46	465	13 06	396	69
19	✓			446	443	440	436	436	434	440	452	457	445	428	410	395	390	392	408	425	440	441	441	441	441	442	443	432	0	8 36	457	13 52	388	69
20	✓			442	442	440	439	438	435	440	449	448	443	412	389	380	380	393	410	428	440	440	439	438	438	440	441	428	0	8 29	450	12 26	378	72
21				444	443	440	439	439	439	437	448	450	441	422	399	384	381	390	405	423	436	437	437	437	437	439	445	429	0	7 55	453	13 20	379	74
22				443	440	433	435	437	438	442	454	454	446	420	381	351	360	379	395	420	436	447	461	500	487	466	460	433	1	20 59	508	12 44	343	165
23				455	451	449	446	442	445	453	456	452	439	415	400	387	380	387	400	426	445	451	448	447	454	446	442	434	0	21 29	467	13 08	383	84
24				442	438	438	441	442	445	446	454	458	451	433	416	397	390	391	403	420	435	445	444	444	445	447	442	434	0	8 30	461	14 10	387	74
25				443	441	437	435	443	443	439	449	450	441	425	407	387	374	375	395	421	448	442	443	445	447	446	445	430	0	8 30	454	14 12	371	83
26				441	440	441	440	441	441	446	452	454	449	433	411	397	391	395	408	424	436	439	442	444	450	448	445	434	0	8 00	460	13 15	390	70
27			✓	443	440	440	438	438	439	447	464	447	443	434	406	395	388	393	406	421	438	454	464	495	482	486	473	441	1	20 30	530	13 44	386	144
28				449	445	443	439	439	448	445	465	470	452	429	406	392	390	404	428	445	451	452	453	454	454	455	449	440	1	8 12	477	13 31	388	89
29				446	442	442	443	441	436	446	461	473	467	441	407	391	395	410	426	439	444	443	444	446	447	447	446	438	0	8 45	475	12 28	390	85
30				445	442	441	440	441	444	447	460	466	453	422	390	379	388	404	419	435	443	445	445	447	447	444	443	435	0	8 15	468	12 48	377	91
31			✓	444	443	442	437	447	446	450	458	462	454	423	389	377	379	404	456	450	481	474	467	476	476	467	466	444	1	17 36	489	12 11	371	118
MEANS ALL DAYS				444	442	440	438	439	440	446	456	458	449	427	402	386	384	394	409	426	440	446	447	451	451	450	447	434						93
MEANS TEN DAYS ✻				444	442	440	438	440	440	447	458	461	450	426	404	392	391	399	412	426	438	441	440	440	441	442	442	433						76
MEANS FIVE DAYS † (G. M. T.)				439	438	438	438	438	441	446	458 456	464 461	455	428	400	384	384	393	407	422	434	438	439	439	440	440	440	431						
MEANS FIVE DAYS ‡ (G. M. T.)				453	448	445	440	442	441	445	458	454	447	429	402	384	379	390	409	421	445	460	467	485	480	477	462	440						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊠ = NO RECORD

TABLE 93

VERTICAL INTENSITY

APRIL 1937

50959 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1937

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				467	457	451	438	454	432	449	456	457	450	433	411	394	390	398	411	433	449	450	450	450	451	452	453	439	0	0	06	472	13 20	390	82
2				450	449	446	442	443	443	440	455	465	464	457	431	415	407	405	414	437	448	466	461	452	449	449	452	443	1	18	58	479	14 30	400	79
3				449	448	454	455	440	427	436	445	458	456	442	427	408	406	410	432	450	459	460	470	462	462	458	457	445	1	19	26	479	12 45	402	77
4				453	450	444	445	435	438	442	449	459	455	436	411	401	401	415	429	441	454	450	447	450	459	450	456	440	0	8	54	462	12 52	397	65
5	✓			454	453	453	447	449	446	451	463	470	459	440	425	412	414	421	430	439	444	445	446	447	448	448	449	444	0	8	42	471	12 58	410	61
6	✓			447	446	446	446	446	446	449	452	456	449	439	423	411	409	416	423	431	439	445	446	448	448	446	443	440	0	8	17	458	12 50	405	53
7	✓			443	442	441	442	443	443	446	453	456	448	435	419	404	398	405	418	431	436	440	441	445	446	445	444	436	0	8	27	458	13 40	398	60
8	✓	✓		443	442	443	442	441	441	442	447	449	439	420	406	399	403	412	422	433	439	443	446	445	443	442	442	434	0	7	50	450	13 00	396	54
9		✓		441	439	438	438	439	442	446	455	460	455	439	411	387	388	401	418	431	439	440	443	444	444	443	443	434	0	8	17	460	12 50	383	77
10	✓	✓		440	439	438	439	440	443	447	455	460	452	431	404	395	399	408	421	432	437	442	444	446	445	443	441	435	0	8	32	461	12 30	394	67
11	✓			439	439	439	439	440	442	447	456	463	457	435	421	405	391	398	409	423	434	441	445	447	447	446	445	435	0	8	48	466	13 28	386	80
12				442	440	436	437	438	441	442	448	450	441	429	414	397	394	406	418	427	429	434	436	444	465	475	480	436	1	23	24	490	13 10	393	97
13	✓			466	460	434	440	417	429	435	449	440	439	434	420	406	400	405	422	427	435	439	444	451	448	448	447	435	0	20	12	454	13 45	398	56
14	✓	✓		446	444	441	437	439	437	443	448	453	449	439	428	419	421	427	431	438	442	444	446	447	448	448	447	440	0	8	48	454	12 45	417	37
15	✓			447	444	442	440	442	442	447	452	456	450	443	434	426	423	427	431	436	440	443	445	448	449	451	452	442	0	8	00	458	13 40	422	36
16		✓		447	443	435	440	439	439	441	447	453	450	436	425	418	416	421	430	436	442	446	453	449	448	449	449	440	0	19	30	457	13 10	414	43
17				448	446	443	440	439	440	445	454	457	454	440	427	415	411	419	427	431	436	440	441	444	445	445	444	439	0	8	17	463	13 38	409	54
18				444	444	443	441	442	441	440	443	449	445	428	420	412	411	420	426	432	438	438	444	451	451	451	451	438	0	8	24	451	13 23	405	46
19				451	446	443	442	442	442	444	448	451	448	434	416	403	404	410	420	433	438	442	445	445	447	446	443	437	0	8	38	453	12 34	400	53
20				441	444	444	441	438	441	441	444	444	437	424	415	411	410	415	426	439	445	445	451	450	448	448	447	437	0	20	14	454	14 20	408	46
21				446	446	444	439	442	442	445	447	451	446	425	412	399	394	401	424	438	450	448	448	455	450	450	450	437	1	20	52	458	13 04	392	66
22	✓			446	445	445	445	445	445	446	451	452	450	445	434	419	412	416	425	434	440	443	446	448	449	448	445	441	0	7	33	455	13 15	410	45
23				439	438	441	442	442	443	448	454	464	463	449	429	411	409	417	427	436	441	443	446	447	447	447	447	440	0	8	55	464	12 36	408	56
24			✓	443	442	440	437	440	446	450	455	461	459	445	425	404	407	415	426	434	445	448	450	447	451	448	441	440	1	8	23	463	12 53	400	63
25			✓	446	441	441	445	451	447	431	441	432	451	459	429	412	414	431	435	450	456	460	463	466	466	466	461	446	1	9	56	468	13 10	402	66
26			✓	457	455	448	455	452	461	454	457	470	468	454	442	427	422	420	429	442	451	456	458	462	461	457	456	451	1	8	56	527	3 33	377	150
27			✓	452	445	427	437	444	447	390	493	483	461	474	468	454	458	453	456	462	462	465	471	473	472	471	469	458	1	7	27	524	6 32	308	216
28			✓	467	463	456	446	445	440	443	459	469	506	488	466	454	438	452	467	504	521	545	544	524	504	496	469	478	2	18	46	606	23 23	426	180
29				473	440	456	461	467	470	475	487	496	486	471	451	434	434	446	455	466	476	466	473	473	473	473	471	466	1	8	54	499	1 38	425	74
30				468	454	456	455	444	445	452	467	476	482	478	460	446	441	445	454	463	471	479	475	475	474	473	475	463	1	18	52	492	13 42	438	54
31																																			
MEANS ALL DAYS				450	446	444	443	443	443	444	454	459	456	443	427	413	411	418	429	440	448	452	454	454	455	454	452	443							73
MEANS TEN DAYS ✱				447	445	442	442	440	441	445	453	456	449	436	421	410	407	414	423	432	439	442	445	447	447	446	446	438							55
MEANS FIVE DAYS † (G. M. T.)				443	441	440	439	440	442	446	450 454	455 459	449	433	415	404	405	414	424	434	440	443	446	446	446	445	444	437							
MEANS FIVE DAYS ‡ (G. M. T.)				459	449	446	449	452	453	439	467	463	469	464	446	430	428	434	443	458	467	475	477	474	471	468	459	456							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 94

VERTICAL INTENSITY

50959 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1937 — MAY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				475	470	457	453	452	443	442	453	475	483	477	467	457	453	448	453	464	469	473	474	469	471	465	465	463	1	8 57	487	5 52	438	49
2	✓			462	462	452	460	459	456	456	469	470	472	461	449	441	437	437	446	450	456	459	461	463	463	465	465	457	0	9 07	475	14 18	429	46
3				463	461	459	459	458	458	458	459	466	464	461	455	438	430	433	446	455	459	459	459	462	462	463	463	456	0	8 45	468	13 48	428	40
4			✓	463	459	458	452	454	458	460	459	464	463	454	443	443	441	439	443	452	455	456	459	460	459	459	459	455	1	0 12	470	14 15	437	33
5			✓	456	446	458	461	433	437	446	453	457	445	455	461	458	464	464	482	475	484	500	510	503	493	493	500	468	1	19 37	532	4 42	421	111
6	✓	✓		474	463	466	466	467	467	470	476	473	461	452	442	434	429	431	441	455	461	465	466	465	465	464	463	459	0	0 00	488	13 55	427	61
7	✓	✓		461	461	461	461	463	462	462	463	466	465	457	444	441	440	442	445	454	462	462	463	466	462	461	459	458	0	20 38	466	12 08	439	27
8	✓			458	457	458	459	459	458	458	459	464	467	460	450	443	440	438	444	454	461	463	464	466	465	464	462	457	0	9 29	468	14 30	437	31
9				459	456	455	455	456	456	459	460	468	471	466	451	432	424	428	434	450	463	468	472	481	489	476	471	458	0	21 12	495	13 30	424	71
10				466	461	459	453	453	461	465	469	465	467	461	451	442	440	447	447	459	465	469	465	466	465	471	464	460	1	7 32	474	13 00	435	39
11				464	460	455	451	460	460	462	464	465	471	470	456	444	448	448	450	462	472	476	483	483	479	477	470	464	0	19 23	486	12 05	442	44
12	✓			455	448	455	457	459	460	463	467	469	469	466	459	452	451	451	452	459	462	463	463	463	463	462	460	460	0	8 08	471	0 48	434	37
13				458	455	454	454	454	455	455	455	458	458	455	445	438	431	433	443	449	456	460	461	463	464	464	464	453	0	23 13	465	14 30	426	39
14				462	458	454	452	453	453	454	456	460	457	450	442	441	433	429	434	446	454	455	458	464	466	464	463	452	0	21 36	469	13 46	428	41
15				463	468	463	454	453	453	453	453	459	461	455	444	439	435	438	437	444	453	453	457	464	467	463	464	454	0	1 30	472	13 20	430	42
16	✓			462	459	456	453	453	452	454	459	462	466	461	452	444	435	435	446	450	457	460	460	464	468	465	468	456	1	9 25	470	13 16	427	43
17				466	461	460	459	455	456	455	455	457	457	455	451	446	438	433	438	447	455	457	459	460	462	463	461	454	0	0 55	472	14 01	432	40
18		✓		460	458	458	458	457	456	456	459	465	465	459	443	432	429	431	440	449	456	458	458	457	457	458	458	453	0	8 55	468	13 33	425	43
19				459	459	458	457	459	458	458	459	460	461	453	439	429	433	439	442	457	464	462	472	471	470	463	463	456	0	19 44	475	12 24	426	49
20	✓	✓		462	460	460	460	461	462	459	459	460	457	444	434	433	435	437	445	454	458	457	457	461	462	462	461	454	0	20 53	463	11 54	432	31
21	✓			460	459	459	459	460	460	458	462	464	462	453	439	431	431	437	442	449	455	456	456	457	457	457	453	453	0	8 50	464	12 55	428	36
22	✓			452	452	452	458	457	456	452	451	456	461	460	448	438	436	438	442	450	454	452	454	459	459	458	457	452	0	10 00	462	13 12	434	28
23	✓	✓		455	451	453	451	454	454	453	454	458	456	448	436	428	423	429	441	450	456	459	459	458	459	459	458	450	0	23 40	460	13 32	422	38
24				457	456	455	454	454	454	457	461	466	461	451	437	426	422	427	439	450	454	456	457	458	457	457	455	451	0	6 22	466	13 33	421	45
25				450	449	449	449	449	453	455	455	461	464	456	439	431	433	431	436	455	462	468	474	471	469	465	463	454	0	19 15	479	14 35	427	52
26				458	456	454	451	453	444	448	453	463	464	462	451	445	436	441	448	462	465	467	467	469	471	464	460	456	0	21 10	472	14 15	432	40
27			✓	460	458	457	453	456	455	458	461	465	464	452	439	433	435	442	445	451	459	459	462	468	477	463	464	456	1	21 23	494	13 04	426	68
28			✓	462	464	458	453	435	436	444	445	467	489	471	467	466	466	480	479	479	493	506	501	500	510	495	496	473	1	21 48	524	4 17	428	96
29			✓	481	481	485	470	452	455	443	450	474	473	465	463	468	473	468	472	477	503	484	486	485	486	485	481	473	1	17 20	516	6 44	434	82
30				477	476	475	472	467	451	464	470	473	482	474	471	466	463	466	465	474	483	484	484	493	489	486	484	475	0	20 33	498	5 35	440	58
31				483	480	475	474	469	471	469	464	472	483	470	474	469	461	464	468	473	475	476	476	477	478	478	478	473	0	9 35	488	13 23	459	29
MEANS ALL DAYS				463	460	459	457	456	455	456	459	465	466	459	450	443	440	442	448	457	464	466	468	469	470	467	466	459						48
MEANS TEN DAYS ✲				460	457	457	458	459	459	458	462	464	464	456	445	438	436	438	444	452	458	460	460	462	462	462	460	456						38
MEANS FIVE DAYS † (G. M. T.)				459	458	458	458	459	458	459	462 461	464 464	461	452	440	434	431	434	442	452	459	460	461	461	461	461	460	454						
MEANS FIVE DAYS ‡ (G. M. T.)				470	466	468	464	451	449	453	459	465	467	459	455	454	456	459	464	467	479	481	484	483	485	479	480	467						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
] [= INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
. □ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 95

VERTICAL INTENSITY

JUNE 1937 — 50959 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — JUNE 1937

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			476	473	473	472	471	471	471	471	474	478	477	477	472	472	467	466	474	479	481	478	478	481	483	478	475	0	18 06	487	15 11	463	24
2	✓			478	475	474	468	472	473	472	471	478	482	477	468	460	459	455	454	466	472	476	482	479	480	478	479	472	0	19 34	485	14 55	451	34
3	✓			476	475	475	473	471	470	468	471	476	475	471	463	457	458	461	466	469	471	472	472	474	474	474	473	470	0	0 00	480	12 32	455	25
4	✓			472	472	470	472	473	472	470	468	445	446	442	436	428	428	428	429	437	445	446	449	450	449	449	449	451	0	4 30	473	12 40	425	48
5			✓	449	448	445	444	444	443	441	437	439	440	439	431	422	422	426	434	446	453	450	451	463	465	457	454	443	1	21 00	473	12 17	419	54
6			✓	454	450	447	445	429	430	408	424	432	443	429	439	443	439	442	456	459	472	479	476	493	492	476	480	452	1	21 52	505	6 40	400	105
7				473	450	442	446	445	443	450	454	454	463	463	456	444	437	430	435	448	455	459	460	465	469	467	461	453	0	0 37	479	14 51	430	49
8	✓			455	445	443	442	441	444	446	445	450	450	451	447	438	433	431	435	444	448	449	449	451	450	449	446	445	0	0 10	462	14 40	429	33
9		✓		443	440	438	436	441	443	444	437	441	448	448	440	431	435	439	444	454	465	468	471	472	469	466	463	449	0	20 00	474	12 30	431	43
10				460	457	457	457	457	457	457	454	460	464	456	444	435	413	416	420	440	456	462	467	469	470	469	465	453	1	21 16	470	13 12	403	67
11	✓	✓		462	460	458	458	458	460	459	458	468	469	469	453	435	423	425	434	449	457	462	463	465	466	468	464	456	0	9 38	472	13 40	418	54
12	✓	✓		461	459	457	456	456	456	456	456	463	467	464	455	446	435	429	440	454	457	458	458	461	461	461	461	455	0	9 18	468	14 20	427	41
13			✓	461	460	460	456	456	456	456	457	461	463	456	440	429	426	433	442	447	449	454	459	479	486	485	482	456	1	21 49	488	12 23	422	66
14				475	475	470	465	461	461	458	452	454	458	459	454	449	440	442	445	455	461	461	461	464	465	464	465	459	0	0 00	479	14 10	434	45
15				462	461	458	458	459	458	456	452	458	465	461	448	445	436	431	443	448	452	452	451	454	455	454	452	453	0	9 15	469	14 12	423	46
16				452	451	450	450	449	449	447	447	457	450	447	438	436	442	439	435	446	451	451	450	452	453	453	453	448	0	8 32	460	11 57	433	27
17				453	452	450	450	451	446	444	444	448	453	451	445	439	442	444	441	444	452	452	456	459	459	456	456	449	1	20 37	464	13 59	434	30
18				455	451	451	447	451	451	448	447	447	448	444	440	443	441	438	435	444	452	451	455	455	455	464	452	449	0	22 22	470	15 03	430	40
19		✓		451	451	447	448	449	449	446	444	444	449	448	441	436	437	436	440	445	451	453	453	453	451	450	448	447	0	18 00	453	12 30	433	20
20			✓	447	448	448	448	450	448	447	447	453	454	455	443	424	419	423	432	445	451	454	456	457	463	461	456	447	1	21 34	469	14 00	412	57
21				457	457	453	445	440	439	435	439	454	457	457	450	439	436	435	436	446	454	456	457	457	456	454	453	448	0	10 16	462	13 22	431	31
22				450	448	449	450	445	451	450	451	458	461	453	443	435	432	428	435	448	452	470	458	461	466	461	458	451	1	18 34	481	14 55	425	56
23	✓			455	446	444	443	444	444	447	447	455	462	464	460	445	432	427	433	448	453	454	455	457	458	455	451	449	0	10 15	468	14 27	425	43
24				448	447	447	447	448	448	448	448	452	459	461	457	442	430	424	434	449	456	455	456	460	464	465	459	450	1	22 16	476	14 10	418	58
25				448	447	448	444	444	446	447	448	457	465	465	451	438	426	427	437	452	456	462	465	463	463	464	464	451	0	19 25	472	13 45	424	48
26		✓		456	449	446	446	446	447	446	448	456	463	461	450	442	437	436	441	449	453	455	455	457	456	455	453	450	0	9 50	465	14 30	434	31
27			✓	450	446	446	447	448	449	448	446	452	458	454	442	435	425	425	429	441	444	449	454	465	458	458	454	447	1	20 26	469	13 13	421	48
28				453	458	449	445	434	431	449	449	456	457	457	449	434	436	435	443	448	456	465	459	459	458	459	458	450	1	18 05	480	12 33	430	50
29	✓			451	448	449	448	446	447	447	447	451	452	448	439	434	432	436	443	449	452	453	456	455	455	456	452	448	0	19 44	458	13 50	431	27
30	✓			453	450	448	447	448	447	447	445	450	455	455	448	443	440	439	437	443	449	449	450	451	451	451	450	448	0	10 46	456	15 30	436	20
31																																		
MEANS ALL DAYS				458	455	453	452	451	451	450	450	455	458	456	448	440	435	435	440	450	456	459	459	463	463	462	460	452						44
MEANS TEN DAYS *				464	460	459	458	458	458	458	458	461	464	462	455	446	441	440	444	453	458	460	461	462	462	462	460	457						35
MEANS FIVE DAYS † (G. M. T.)				456	454	454	453	453	453	453	449 452	454 458	459	458	448	438	433	433	440	450	457	459	460	462	461	460	458	452						
MEANS FIVE DAYS ‡ (G. M. T.)				462	458	452	449	442	441	440	444	447	452	447	439	431	426	430	439	448	454	457	459	471	473	467	465	450						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE MAGNETIC STORM
= INTERPOLATED
= ESTIMATED
= LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 96

VERTICAL INTENSITY

50958 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1937 — JULY 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				450	450	447	442	444	448	446	444	450	451	450	445	439	434	440	440	445	450	451	452	451	457	467	451	448	0	22 04	485	13 13	431	54
2				449	448	448	444	442	445	442	441	449	456	456	449	441	433	433	438	444	447	449	451	449	449	449	455	446	0	24 00	457	13 10	429	28
3	✓	✓		453	450	447	444	446	446	443	441	443	449	453	453	448	443	438	444	449	449	451	451	451	451	449	448	448	0	10 22	454	14 21	435	19
4	✓			446	445	445	445	447	448	445	441	440	439	441	442	443	436	429	435	441	445	446	447	446	445	444	442	443	0	5 30	448	14 40	427	21
5				441	440	440	441	440	441	440	439	442	444	445	438	429	430	430	431	442	445	450	449	451	454	456	444	442	1	22 38	463	12 48	424	39
6				444	443	439	438	439	439	437	430	431	435	441	435	431	430	430	435	444	447	444	445	451	470	468	470	442	1	21 37	481	8 55	416	65
7				463	462	456	455	452	450	442	433	429	430	434	443	441	441	441	436	441	451	457	455	455	451	450	447	446	0	0 45	469	8 37	423	46
8	✓	✓		444	443	446	446	445	443	446	447	456	459	454	442	432	422	415	421	437	446	450	451	454	452	450	450	444	0	9 33	463	14 40	413	50
9				446	442	441	444	440	442	441	438	445	449	446	441	428	422	415	419	432	442	448	447	449	456	456	453	441	1	22 55	462	13 46	410	52
10				450	447	443	441	442	444	437	429	447	450	459	461	449	443	437	434	442	449	452	452	455	455	455	453	447	0	11 23	465	15 36	431	34
11				449	448	445	444	444	443	444	444	455	467	464	448	439	431	420	425	436	442	444	447	454	460	458	463	446	0	23 59	471	14 40	417	54
12	✓			461	458	450	447	448	446	441	443	445	446	452	444	435	426	420	428	439	444	445	447	449	449	450	449	444	0	0 30	461	14 36	417	44
13				448	446	445	444	444	444	443	441	445	447	445	430	416	408	411	421	432	440	443	445	446	449	450	448	439	0	9 25	449	13 55	405	44
14			✓	448	448	445	445	443	440	437	436	444	449	445	436	425	418	418	427	436	441	463	467	476	487	498	489	448	1	23 04	511	14 06	415	96
15				483	468	456	463	438	438	438	439	448	448	447	436	424	421	425	428	439	448	449	453	457	458	458	463	447	1	0 00	497	12 53	413	84
16	✓			459	452	454	453	453	449	446	446	453	453	448	438	424	424	420	426	435	447	447	449	449	453	453	452	445	0	0 06	461	14 34	419	42
17				449	450	449	446	447	446	443	437	438	457	449	441	428	415	420	430	439	445	446	448	449	448	448	448	442	0	9 26	461	13 35	412	49
18	✓			446	446	446	446	446	445	443	442	446	442	434	420	417	418	423	428	436	443	443	443	445	445	444	442	439	0	8 54	447	12 12	415	32
19			✓	441	441	441	444	443	444	441	440	445	445	436	426	415	408	413	425	439	445	447	449	448	447	439	439	438	1	21 23	457	13 34	407	50
20			✓	440	445	446	434	457	441	437	435	439	433	431	422	430	419	400	411	430	443	446	448	450	449	447	444	437	1	4 52	462	14 46	385	77
21				443	443	443	443	444	444	443	439	444	450	450	436	425	421	418	418	429	441	448	450	451	458	458	454	441	1	21 55	459	15 20	414	45
22			✓	450	447	443	443	445	448	448	443	455	459	451	424	412	422	432	445	470	461	477	476	478	478	471	468	452	1	20 02	493	12 25	409	84
23				465	455	446	447	432	429	432	441	447	446	447	445	439	434	435	440	451	451	463	470	468	468	462	461	449	1	19 57	473	4 54	415	58
24			✓	466	455	449	440	440	443	444	444	440	451	452	455	445	445	439	440	452	458	465	483	489	487	476	467	455	1	20 38	492	15 10	429	63
25				456	454	455	447	442	449	449	450	446	461	449	440	438	431	432	435	448	459	462	466	463	462	476	479	452	1	23 10	500	13 36	427	73
26				455	450	441	443	439	443	443	448	459	468	460	444	442	438	435	443	449	453	458	463	464	463	472	459	451	0	22 35	483	14 56	434	49
27	✓	✓		452	450	447	446	445	446	446	449	458	461	455	443	432	431	430	431	439	449	450	451	453	454	454	454	447	0	9 22	462	14 07	427	35
28	✓	✓		450	449	445	445	445	445	445	448	453	464	460	447	435	426	417	422	438	445	446	448	450	451	451	451	445	0	9 50	465	14 46	412	53
29	✓	✓		451	448	447	444	443	442	441	442	453	460	458	448	436	429	425	429	440	448	448	448	449	450	451	451	445	0	9 29	461	14 55	424	37
30				450	448	447	447	445	444	444	445	456	463	456	445	430	419	423	427	441	447	445	446	447	446	447	446	444	0	9 33	465	14 40	420	45
31	✓			450	449	448	446	446	446	447	448	454	454	452	445	433	427	427	429	438	444	446	446	447	450	454	453	445	0	9 00	456	14 50	425	31
MEANS ALL DAYS				452	449	446	445	444	444	442	441	447	451	449	441	432	427	426	430	441	447	451	453	455	457	457	455	445						50
MEANS TEN DAYS ✲				451	449	448	446	446	446	444	445	450	453	451	442	434	428	424	429	439	446	447	448	449	450	450	449	444						36
MEANS FIVE DAYS (G. M. T.) †				449	446	445	445	444	444	443	445 443	453 449	459	456	447	437	430	425	429	441	447	449	450	451	452	451	451	445						
MEANS FIVE DAYS (G. M. T.) ‡				457	453	449	447	443	440	440	441	445	447	443	433	425	422	420	430	445	450	460	465	468	470	466	461	447						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 97

VERTICAL INTENSITY

50958 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1937

AUGUST 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				452	455	451	450	447	445	443	444	452	453	456	451	428	410	412	419	436	445	445	444	447	451	451	454	443	0	10 05	458	13 50	406	52
2			✓	451	453	453	451	447	446	442	444	449	449	447	439	427	427	428	442	471	487	506	503	489	487	504	489	460	1	22 34	522	14 10	406	116
3			✓	471	455	444	449	449	452	457	463	470	470	460	439	426	428	428	424	431	449	456	460	461	460	459	458	451	0	0 00	483	15 33	420	63
4			✓	453	452	453	453	456	452	443	432	459	465	449	441	435	431	430	434	450	471	463	468	470	468	469	467	453	1	9 39	481	13 22	426	55
5				460	457	454	455	452	455	455	459	468	463	458	445	430	418	416	424	440	452	455	458	458	458	457	456	450	0	8 50	476	14 26	411	65
6				454	454	451	449	452	454	451	448	460	469	468	456	437	425	422	420	436	454	458	459	465	464	462	458	451	0	9 50	474	15 04	415	59
7				456	454	455	448	448	447	447	444	449	459	465	454	437	421	415	423	440	454	456	462	465	461	459	456	449	0	10 40	466	14 03	412	54
8	✓			456	453	448	449	449	449	447	447	457	466	462	447	432	421	414	420	437	450	454	457	458	458	458	457	448	0	9 47	467	14 18	413	54
9	✓			455	452	451	449	448	448	447	448	460	470	474	466	444	429	413	411	425	445	449	451	454	458	456	455	448	0	10 25	474	15 08	408	66
10				454	453	451	448	448	448	448	449	459	470	470	457	437	419	413	420	436	448	453	454	458	460	461	460	449	0	9 47	474	14 00	412	62
11				458	451	451	448	447	446	445	449	463	478	478	463	434	414	399	408	429	441	442	447	451	454	453	453	446	0	9 54	482	14 30	396	86
12	✓			452	449	447	448	444	442	441	445	463	476	476	451	413	394	396	410	428	439	442	444	447	448	449	449	441	0	10 03	481	13 43	392	89
13	✓	✓		447	447	445	444	442	440	440	446	456	467	467	446	414	395	393	406	428	441	443	443	446	447	448	449	439	0	10 00	470	14 20	391	79
14				448	446	444	444	443	442	439	439	451	459	452	431	407	396	396	413	436	446	446	446	446	447	447	448	438	0	9 58	460	14 10	394	66
15				448	447	443	442	438	436	436	439	455	455	451	439	428	412	402	416	434	447	451	455	459	454	453	452	441	0	8 47	459	14 10	399	60
16	✓	✓		450	450	450	449	447	442	442	445	457	466	464	450	425	408	406	414	433	443	445	447	450	450	449	449	443	0	10 00	467	14 20	405	62
17	✓			448	447	446	446	447	447	444	450	463	467	461	450	426	402	401	409	423	432	435	439	441	441	442	444	440	0	9 20	468	14 03	398	70
18				442	442	441	441	440	440	441	444	446	443	445	436	418	408	409	412	420	433	436	436	439	440	440	439	435	0	8 13	448	13 44	405	43
19				437	437	436	437	437	436	436	440	449	456	449	432	412	397	400	407	423	433	436	437	441	441	441	442	433	0	9 38	458	13 40	395	63
20				440	437	435	434	437	431	433	444	460	464	454	428	405	395	395	408	422	431	435	437	439	440	441	441	433	0	8 55	466	14 00	393	73
21				436	434	431	431	432	435	436	440	447	447	443	434	423	413	408	408	419	432	440	442	445	445	443	440	434	0	9 53	449	15 01	405	44
22			✓	437	434	433	433	434	433	434	439	448	450	442	417	396	401	416	410	453	517	560	589	553	516	501	486	460	2	19 00	618	15 19	387	231
23				471	463	456	441	443	458	463	471	474	472	464	447	430	420	417	422	436	446	451	456	458	461	459	457	452	0	0 04	481	15 00	415	66
24	✓	✓		454	451	450	449	448	449	447	450	461	463	452	433	401	394	396	410	432	446	449	451	455	457	457	455	442	0	9 14	466	13 18	393	73
25	✓	✓		451	448	445	445	444	445	446	454	471	476	468	454	438	433	429	425	430	439	444	447	450	451	451	450	447	0	9 10	477	15 30	425	52
26				447	445	443	440	440	440	441	447	457	457	448	429	415	408	404	408	417	429	435	439	444	448	453	450	437	0	8 56	461	15 06	404	57
27			✓	447	446	443	443	440	440	440	444	448	442	436	425	416	419	419	421	430	440	444	447	451	452	454	455	439	1	24 00	471	12 32	414	57
28				466	452	450	437	440	442	440	432	435	436	433	426	416	410	409	418	430	440	451	455	465	458	454	456	440	0	0 08	476	14 38	407	69
29				454	449	444	443	443	442	437	438	448	454	449	440	426	426	425	427	433	443	445	447	448	450	451	451	442	0	9 25	457	12 50	423	34
30	✓	✓		450	449	447	444	442	440	439	444	449	448	442	426	416	412	413	417	427	437	441	443	444	445	445	446	438	0	9 00	452	13 05	410	42
31	✓			445	444	444	443	441	441	439	441	455	464	463	444	422	413	413	416	426	434	437	440	442	442	443	447	439	0	9 54	467	14 20	412	55
MEANS ALL DAYS				451	449	446	445	444	444	443	446	456	460	456	442	423	413	411	417	433	447	452	455	456	455	455	454	444						68
MEANS TEN DAYS ✲				451	449	447	447	445	444	443	447	459	466	463	447	423	410	407	414	429	441	444	446	449	450	450	450	443						64
MEANS FIVE DAYS † (G. M. T.)				448	446	444	444	443	443	442	448 446	459 459	464	459	442	419	408	407	414	430	441	444	446	449	450	450	450	441						
MEANS FIVE DAYS ‡ (G. M. T.)				464	456	451	447	448	452	452	451	455	455	447	432	420	421	424	426	447	473	486	493	485	477	477	471	455						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 98

VERTICAL INTENSITY

50958 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1937

SEPTEMBER 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	446	445	445	443	443	443	441	445	451	447	442	428	412	403	403	406	419	434	438	439	441	444	442	444	435	1	8	35	452	14	10	401	51
2	✓			444	438	436	431	434	436	433	452	460	464	453	424	405	395	395	405	423	438	439	441	442	442	441	441	434	0	9	34	465	13	45	392	73
3	✓	✓		439	437	437	438	439	441	444	453	463	457	441	418	395	388	397	414	434	447	445	445	448	447	447	445	436	0	8	23	463	13	32	387	76
4				442	440	439	440	440	440	439	447	460	465	461	442	419	408	412	420	430	440	443	444	446	448	451	449	440	0	9	50	466	13	54	405	61
5	✓			448	443	442	440	440	441	443	452	471	468	454	429	411	402	405	416	433	442	444	450	457	450	449	448	441	0	8	47	474	13	53	397	77
6	✓			445	443	440	440	439	440	445	450	456	458	450	438	416	402	395	403	417	432	438	445	448	449	451	451	437	0	9	09	461	14	20	395	66
7	✓			446	442	444	439	433	439	440	444	449	456	451	443	432	423	422	425	430	439	447	451	452	452	454	454	442	0	9	45	460	14	06	418	42
8	✓			448	443	439	437	437	440	443	448	451	448	448	440	428	415	407	409	421	435	440	441	444	445	445	449	438	0	8	22	452	14	56	406	46
9	✓			444	441	437	430	435	436	441	453	460	460	457	443	426	412	408	416	425	433	436	438	441	444	445	446	438	0	9	59	463	14	00	407	56
10			✓	448	443	439	436	435	436	436	444	454	454	449	425	410	405	410	417	428	437	440	440	442	445	444	442	436	1	8	29	456	13	24	403	53
11			✓	442	438	434	430	424	432	429	443	466	459	441	425	414	413	430	436	440	449	451	460	462	461	462	462	442	1	9	04	478	13	57	403	75
12		✓		457	447	447	442	442	443	446	455	465	464	459	450	432	425	425	428	431	436	442	445	448	449	452	450	445	0	8	49	466	14	10	424	42
13				451	449	446	443	443	443	445	452	461	462	458	438	411	398	400	411	427	441	457	451	457	461	458	451	442	0	21	16	470	13	40	394	76
14			✓	446	444	445	441	439	444	439	448	456	459	454	448	426	403	408	420	432	449	465	458	455	452	452	452	443	1	18	06	477	13	30	398	79
15				448	446	446	444	444	444	444	454	454	450	448	430	403	396	407	418	430	441	448	449	453	453	450	449	440	0	8	40	457	12	50	392	65
16				446	445	444	445	445	445	440	441	446	446	443	431	414	403	415	426	440	445	447	450	451	453	453	450	440	0	21	19	455	13	37	400	55
17				449	448	434	442	442	443	447	457	458	462	457	442	427	418	419	424	430	440	442	444	447	447	447	447	442	0	9	30	466	14	07	412	54
18				442	439	438	434	442	445	449	459	467	460	442	415	399	403	412	423	430	435	440	441	443	443	443	445	437	0	8	24	470	12	36	395	75
19	✓			454	451	440	436	436	421	430	451	464	457	442	421	408	397	398	410	425	437	442	444	448	455	449	444	436	0	8	24	471	14	05	395	76
20				441	440	439	439	440	442	448	455	459	456	443	427	414	403	402	411	423	434	439	440	444	445	444	444	436	0	8	55	460	14	10	399	61
21				441	440	438	438	439	441	445	459	463	456	444	429	417	408	408	420	431	437	440	443	446	448	448	446	439	0	8	13	466	14	05	404	62
22				443	440	438	436	436	439	441	451	463	464	451	436	417	404	403	414	425	433	439	443	451	452	451	450	438	0	8	53	466	14	05	400	66
23				452	448	440	437	440	440	440	447	453	456	437	421	410	403	402	418	432	440	443	446	451	452	453	451	438	0	9	00	459	13	57	397	62
24				452	448	444	445	445	434	435	448	460	466	455	434	416	413	419	432	442	444	448	451	453	456	462	464	444	0	9	30	468	13	37	410	58
25		✓		455	451	447	445	442	443	447	455	462	468	457	433	408	396	400	412	427	437	440	443	446	448	448	448	440	0	9	27	470	13	50	394	76
26				447	446	443	442	443	443	444	451	462	462	446	426	398	380	379	399	427	439	445	448	447	451	454	460	437	0	8	45	467	14	20	376	91
27				457	449	442	442	442	443	445	449	455	454	450	435	412	397	400	415	429	442	446	447	447	449	457	461	440	0	23	42	464	14	00	395	69
28	✓	✓		454	449	445	444	439	443	444	448	456	456	441	418	398	387	395	419	442	451	450	449	452	454	452	453	439	0	9	18	460	13	45	386	74
29	✓	✓		448	445	447	447	447	450	451	452	455	452	433	419	413	409	411	426	437	442	445	445	445	446	446	446	440	0	8	41	456	14	05	405	51
30			✓	446	446	446	445	445	446	452	461	468	457	430	399	379	377	385	406	426	438	439	439	441	440	441	447	433	1	8	35	468	13	10	376	92
31																																				
MEANS ALL DAYS				447	444	441	440	440	441	442	451	459	458	448	430	412	403	406	417	430	440	444	446	448	449	450	450	439								65
MEANS TEN DAYS ✲				447	443	441	438	438	439	441	450	458	458	447	429	413	403	403	414	429	440	443	445	448	448	448	448	438								64
MEANS FIVE DAYS † (G. M. T.)				447	445	444	443	444	444	446	453 453	460 461	459	446	428	409	401	406	420	434	443	444	445	448	449	449	448	440								
MEANS FIVE DAYS ‡ (G. M. T.)				449	448	445	439	438	440	439	449	459	455	443	425	408	400	407	417	429	441	447	447	448	448	448	449	438								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 99

VERTICAL INTENSITY

50958 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1937

OCTOBER 1937

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M		MINIMUM H	MINIMUM M		RANGE
1				455	471	461	447	444	445	445	443	432	426	407	392	338	370	400	431	451	464	463	463	466	464	464	460	438	1	1	17	477	12	15	328	149
2				460	468	458	437	449	455	460	454	457	458	445	428	413	407	415	427	446	454	457	457	458	455	453	451	447	0	1	57	474	13	24	405	69
3				451	448	447	447	448	458	462	471	480	467	448	426	406	399	407	422	443	450	455	449	464	480	476	490	450	1	23	20	494	13	30	399	95
4			✓	473	464	460	461	456	456	461	487	484	472	469	434	427	421	441	457	459	481	488	490	489	484	481	477	466	1	7	56	506	13	23	411	95
5				471	465	462	462	466	465	471	480	483	477	455	430	413	406	409	421	445	458	464	464	468	471	482	465	456	0	22	23	496	13	50	402	94
6	✓			458	454	454	455	455	456	463	470	478	472	454	431	410	391	395	414	436	450	456	459	460	462	465	460	448	0	8	28	482	13	33	385	97
7				456	457	455	451	453	454	457	466	471	467	438	397	377	358	362	393	430	448	456	464	469	473	476	478	442	1	21	21	482	14	02	346	136
8			✓	472	450	446	441	449	450	438	456	460	446	433	432	410	409	420	436	454	467	474	475	472	467	466	463	449	1	18	13	479	13	47	402	77
9			✓	449	455	454	454	456	459	460	468	475	471	462	445	422	411	406	410	424	447	453	455	486	516	518	511	457	2	22	27	541	14	40	397	144
10			✓	484	466	459	460	455	448	450	455	469	474	462	439	428	424	422	448	461	466	466	503	488	478	469	463	460	1	19	25	531	14	05	405	126
11			✓	465	460	456	455	455	460	461	466	478	478	462	447	428	416	417	429	443	451	455	458	462	471	481	490	456	1	23	18	504	14	03	413	91
12				459	466	459	455	449	464	471	478	478	474	460	434	415	409	409	421	451	464	483	476	463	462	463	463	455	1	18	49	504	13	54	406	98
13				462	459	457	451	450	462	470	456	462	456	439	428	421	418	418	432	454	465	465	465	464	462	463	457	452	0	20	50	471	14	30	415	56
14				456	453	453	453	453	457	462	468	471	459	442	429	416	418	422	431	455	463	463	464	459	461	459	458	451	0	8	15	474	12	38	411	63
15				455	453	452	450	451	457	463	467	467	457	440	427	412	406	408	425	453	469	474	485	477	469	471	471	452	1	19	46	504	14	13	404	100
16	✓			464	463	461	443	441	450	458	465	466	458	449	437	428	419	420	434	457	463	464	464	459	458	458	462	452	0	7	29	473	14	00	417	56
17	✓	✓		465	456	453	449	450	454	464	474	479	475	462	446	435	427	426	434	445	454	457	458	458	458	457	456	454	0	8	00	480	14	40	426	54
18	✓	✓		458	458	455	455	457	461	467	478	474	466	449	432	421	418	420	430	445	462	466	467	462	458	456	455	453	0	7	56	486	14	18	416	70
19	✓			453	451	450	450	451	455	465	475	473	463	446	428	413	407	409	420	438	453	460	462	466	466	458	455	449	0	8	14	477	14	00	406	71
20	✓	✓		455	453	446	448	453	456	463	470	471	468	453	432	411	408	418	433	449	457	457	458	460	460	459	456	450	0	8	13	473	13	00	406	67
21	✓			450	452	449	449	451	453	461	466	470	465	447	424	401	393	398	413	431	446	455	461	470	473	478	474	447	0	22	27	479	13	22	391	88
22				469	459	451	453	455	459	469	474	474	468	460	445	427	414	410	423	440	455	462	465	466	480	472	461	455	0	21	39	490	14	03	403	87
23				456	454	454	453	447	448	456	469	486	478	462	436	413	410	415	428	453	474	476	487	484	476	483	474	457	1	20	45	516	12	32	408	108
24				473	460	455	452	448	461	466	463	463	455	463	451	438	426	429	441	457	469	477	474	495	490	475	470	460	1	20	10	509	13	52	421	88
25				483	474	466	465	466	462	481	493	496	489	469	454	430	422	429	447	469	474	474	475	489	490	490	489	470	0	20	54	501	13	25	420	81
26				467	464	466	466	466	474	480	489	494	483	467	445	419	404	400	430	466	491	491	482	488	494	487	487	467	1	17	59	502	14	27	395	107
27				479	466	463	463	473	472	478	486	488	485	467	450	439	434	440	444	471	491	492	493	496	504	488	483	473	1	21	36	509	13	20	431	78
28				477	471	471	471	471	478	484	496	496	495	481	465	449	437	441	450	465	473	482	478	477	480	477	474	472	1	8	24	503	13	38	435	68
29	✓	✓		468	470	469	470	467	465	481	485	493	485	466	443	426	420	429	445	463	467	469	468	469	471	477	477	464	0	8	23	496	13	43	418	78
30	✓	✓		469	467	462	466	470	473	479	486	492	481	462	436	414	412	420	440	460	473	476	471	468	468	468	467	462	0	8	29	495	12	57	410	85
31	✓			465	464	464	463	465	468	475	488	493	485	455	412	393	396	413	437	462	474	480	478	477	477	471	468	459	0	8	20	495	12	56	391	104
MEANS ALL DAYS				464	460	457	455	456	459	465	472	476	469	454	434	416	410	415	431	451	464	468	470	472	473	472	470	456								90
MEANS TEN DAYS ✲				460	459	456	455	456	459	468	476	479	472	454	432	415	409	415	430	449	460	464	465	465	465	465	463	454								77
MEANS FIVE DAYS † (G. M. T.)				459	458	456	457	459	462	469	479 479	482 480	475	458	438	421	417	423	436	452	463	465	464	463	463	463	462	456								
MEANS FIVE DAYS ‡ (G. M. T.)				466	462	458	457	456	459	463	469	473	468	458	439	423	416	421	436	448	462	467	476	479	483	483	481	459								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 100

VERTICAL INTENSITY

50957 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1937 — NOVEMBER 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			467	466	464	462	460	470	478	490	500	498	475	443	414	404	417	444	465	472	471	472	476	480	479	477	464	0	8 50	501	13 30	403	98
2				473	468	464	457	466	474	481	489	491	485	452	422	409	407	418	444	469	482	479	475	475	476	476	473	463	0	7 57	493	12 43	406	87
3				471	468	469	463	474	480	487	485	489	474	453	427	417	417	429	442	460	467	469	470	474	475	474	472	463	0	6 49	492	13 05	414	78
4		✓		470	467	467	467	466	469	478	486	492	486	456	415	401	399	411	434	453	463	467	469	475	475	474	470	459	0	8 18	493	13 13	396	97
5	✓	✓		468	464	462	463	464	469	476	484	486	476	445	405	374	369	392	424	448	460	464	465	467	468	468	468	451	0	8 13	488	13 04	366	122
6		✓		465	463	460	459	460	465	471	482	484	476	456	428	407	400	406	428	448	461	468	468	469	471	473	473	456	0	8 03	488	13 40	397	91
7				470	466	462	461	464	468	475	481	478	466	444	410	394	395	411	433	452	463	466	467	469	470	474	479	455	0	7 30	481	12 50	390	91
8				470	461	464	454	466	470	478	475	471	468	459	441	430	429	434	447	462	467	469	467	468	469	474	472	461	1	8 08	486	13 55	427	59
9				468	464	460	461	463	460	454	473	485	484	473	450	442	437	442	458	469	471	471	469	490	482	474	471	465	1	20 40	503	13 17	433	70
10	✓			466	465	466	466	468	471	475	479	479	479	468	455	443	436	438	444	454	461	468	467	471	476	483	473	465	0	22 44	492	13 28	436	56
11				464	464	464	465	467	469	476	480	481	472	458	438	421	419	427	443	460	466	483	473	473	470	467	465	461	1	18 55	494	13 13	416	78
12	✓			465	464	462	455	460	463	464	470	465	464	456	445	433	430	440	453	463	467	474	471	472	472	468	468	460	0	19 01	476	12 56	427	49
13	✓			466	461	455	458	462	468	472	472	467	463	448	436	431	433	447	462	470	472	468	465	465	465	465	465	460	0	6 50	477	12 25	429	48
14	✓			465	462	457	468	469	470	474	477	468	459	443	432	430	432	442	457	469	475	474	475	471	473	469	465	462	0	7 17	480	12 00	428	52
15	✓	✓		465	464	464	465	467	473	478	481	470	462	447	430	424	423	429	441	453	461	466	466	465	465	465	462	458	0	7 22	482	13 10	422	60
16	✓	✓		462	461	461	462	465	471	476	475	465	453	441	427	420	423	426	437	450	459	463	463	462	462	461	461	454	0	6 57	479	12 30	419	60
17				459	459	459	459	462	466	475	484	485	472	452	437	428	422	428	443	459	469	468	468	471	473	472	471	460	0	7 59	487	13 20	420	67
18			✓	465	461	461	461	464	470	481	489	484	476	458	442	432	428	431	449	462	475	486	506	518	487	498	488	470	1	20 30	523	13 12	424	99
19			✓	475	474	487	479	475	474	475	472	470	457	442	428	417	411	424	440	456	469	483	503	504	493	500	504	467	1	21 57	534	13 33	408	126
20				476	469	466	465	471	480	489	490	484	473	456	437	423	426	434	446	462	479	489	483	480	495	489	480	468	1	21 57	509	12 20	422	87
21				478	469	466	466	467	473	478	492	499	496	479	455	440	434	433	441	457	467	472	480	489	481	477	474	469	0	8 28	502	14 10	431	71
22				471	471	463	467	472	475	471	476	479	479	476	469	456	437	438	457	457	462	494	489	485	488	492	490	471	1	22 16	502	13 28	433	69
23			✓	472	483	478	472	460	469	481	484	482	474	462	453	452	453	451	460	478	479	480	489	481	482	476	476	472	1	19 38	497	14 02	449	48
24				476	466	468	470	471	470	473	479	483	477	471	460	458	454	455	468	472	474	477	480	491	490	484	477	473	1	20 54	504	14 06	449	55
25	✓			476	477	477	467	474	475	475	472	464	456	455	453	452	453	455	460	465	466	472	475	476	475	477	477	468	0	6 10	481	12 10	452	29
26	✓			478	477	475	472	470	476	478	475	465	461	457	454	454	452	451	458	466	472	469	469	469	472	475	475	468	0	6 14	482	14 00	449	33
27				470	475	473	473	475	476	477	481	484	473	455	442	440	438	443	451	460	465	470	471	472	475	477	474	466	0	8 04	487	13 15	436	51
28				473	471	471	470	474	471	477	481	483	476	460	444	443	442	451	469	482	495	495	488	491	500	495	494	475	1	21 05	504	13 20	440	64
29			✓	491	487	483	479	481	487	479	475	465	448	439	435	435	433	445	458	465	474	478	474	491	507	500	494	471	1	21 14	513	13 10	432	81
30			✓	499	498	498	491	472	479	487	484	469	461	454	440	444	450	459	474	488	491	497	510	506	513	499	503	482	1	21 30	525	11 28	438	87
31																																		
MEANS ALL DAYS				471	469	468	466	468	472	476	480	479	471	456	438	429	426	434	449	462	470	475	476	479	479	478	476	465						72
MEANS TEN DAYS *				468	466	464	464	466	471	475	478	473	467	454	438	428	426	434	448	460	466	469	469	469	471	471	469	461						61
MEANS FIVE DAYS † (G. M. T.)				465	463	461	461	463	468	475	482 481	479 480	471	449	421	405	403	413	433	450	461	466	466	468	468	468	467	455						
MEANS FIVE DAYS ‡ (G. M. T.)				483	476	480	478	473	472	477	478	474	463	451	440	436	435	442	456	470	478	485	496	500	496	495	493	472						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 101

VERTICAL INTENSITY

50957 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1937 — DECEMBER 1937

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				491	471	479	486	478	458	463	463	478	464	462	457	444	439	450	470	495	506	507	507	505	506	501	495	478	1	17 59	512	13 30	437	75
2				492	487	480	476	480	487	490	491	487	480	464	444	438	436	445	458	478	483	486	488	492	489	488	482	476	0	19 48	494	13 31	434	60
3	✓			480	476	475	476	479	482	483	492	492	483	464	442	430	431	448	465	480	484	483	481	485	483	480	477	473	0	8 06	496	13 10	428	68
4	✓	✓		475	473	473	472	472	476	485	493	497	493	469	438	422	418	424	436	454	471	483	478	478	481	480	480	468	0	9 13	500	13 25	417	83
5	✓			478	477	476	472	472	476	487	497	497	484	468	457	448	447	447	446	451	458	465	471	474	477	479	478	470	0	7 58	501	15 04	444	57
6				476	471	470	464	468	474	476	481	488	484	471	457	446	435	432	443	454	464	474	480	486	494	487	477	469	0	21 45	500	14 10	431	69
7				470	467	463	465	469	474	475	476	478	478	462	455	449	446	448	454	468	480	473	474	477	478	480	490	469	1	23 16	493	13 35	443	50
8				485	486	477	466	456	464	470	477	486	486	479	470	463	450	453	459	464	466	473	474	480	484	493	497	473	1	23 35	506	13 25	447	59
9				478	463	460	463	459	464	474	474	479	480	471	464	455	452	452	457	462	468	474	480	476	477	481	483	469	0	23 13	486	13 07	450	36
10				476	472	469	464	464	473	478	477	485	486	478	475	476	468	459	453	457	464	466	467	473	480	484	475	472	1	21 15	495	15 30	453	42
11				474	473	465	464	471	465	465	460	469	464	465	465	465	450	453	451	457	460	469	478	490	483	478	475	467	1	20 04	494	13 16	446	48
12	✓			474	470	467	468	472	474	469	458	459	458	452	455	464	467	461	461	466	466	465	467	469	470	472	471	466	0	5 00	476	10 47	450	26
13		✓		473	471	471	470	473	472	471	470	467	464	457	449	442	440	447	456	461	470	466	461	464	467	469	470	463	0	0 07	475	13 15	439	36
14	✓	✓		470	470	470	470	474	476	479	479	472	461	445	441	440	437	439	449	462	467	466	466	468	468	470	472	463	0	7 15	480	13 45	435	45
15	✓			473	471	470	471	475	480	484	479	472	463	451	447	440	440	441	447	452	460	470	475	478	475	471	471	465	0	6 45	484	12 35	440	44
16	✓			470	470	470	469	472	480	486	478	457	444	426	424	425	428	436	445	454	463	467	467	469	471	471	468	459	0	6 35	489	10 54	420	69
17				467	466	464	464	467	474	482	484	477	465	443	434	428	427	431	438	451	461	464	466	468	472	474	475	460	0	6 47	488	12 55	424	64
18			✓	471	468	468	468	470	474	481	481	475	460	439	418	403	398	404	423	447	463	480	493	509	505	510	514	463	1	23 30	518	13 00	396	122
19			✓	513	499	502	464	476	489	494	490	484	468	451	445	440	423	428	440	461	472	494	502	495	499	497	491	476	1	2 27	525	13 37	421	104
20			✓	485	489	485	459	472	481	494	501	501	497	480	467	456	452	448	451	466	475	472	477	482	486	489	485	477	1	8 43	507	14 57	446	61
21				483	470	472	471	472	475	487	491	498	486	466	459	450	443	443	447	456	464	467	468	473	474	477	477	470	0	8 37	500	13 36	441	59
22				475	475	475	471	470	468	470	476	483	482	472	459	449	435	438	448	467	474	480	483	491	494	493	494	472	0	22 40	499	13 36	433	66
23			✓	490	483	476	473	471	475	477	483	487	482	474	466	458	445	444	447	458	482	493	498	527	518	514	514	481	1	22 13	555	13 40	442	113
24			✓	523	528	508	467	473	480	484	488	489	484	481	476	472	469	462	452	456	463	473	478	480	483	485	486	481	0	0 57	533	15 40	449	84
25				502	510	493	472	472	466	463	470	478	483	487	481	470	463	466	466	466	469	475	489	494	483	481	482	478	1	1 20	512	6 03	458	54
26				483	482	480	479	478	478	477	481	478	487	492	488	477	472	471	469	469	484	488	503	504	498	493	491	483	1	20 13	510	15 56	464	46
27	✓	✓		487	482	483	485	488	495	503	503	494	484	471	464	465	458	460	459	463	467	470	473	476	479	480	480	478	0	6 50	507	13 21	454	53
28	✓	✓		479	479	479	479	479	482	481	476	475	471	461	452	455	458	458	459	468	477	479	481	482	483	485	484	473	0	23 03	486	11 30	451	35
29	✓			481	476	476	477	480	485	492	497	490	483	470	461	457	455	459	468	475	476	476	475	476	476	478	476	476	0	7 30	500	13 08	455	45
30				475	473	472	473	477	480	486	491	478	464	450	437	431	438	447	458	467	480	486	486	487	487	484	480	470	0	7 30	493	12 20	429	64
31				477	472	470	472	476	482	494	502	485	468	440	423	417	418	431	450	464	476	479	474	478	482	498	491	467	0	7 47	506	12 55	414	92
MEANS ALL DAYS				481	478	475	471	473	476	481	483	482	475	463	454	448	443	446	452	463	471	476	479	483	484	485	483	471						62
MEANS TEN DAYS *				477	474	474	474	476	481	485	485	480	472	458	448	445	444	447	454	462	469	472	473	476	476	477	476	469						52
MEANS FIVE DAYS † (G. M. T.)				476	475	474	474	476	480	485	484 486	481 481	475	461	449	445	442	446	452	462	470	473	472	474	476	477	477	469						
MEANS FIVE DAYS ‡ (G. M. T.)				501	499	492	467	473	478	484	488	487	478	465	454	446	437	437	443	458	471	482	490	499	498	499	498	476						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 102

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1938

JANUARY 1938

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓			317	298	300	296	320	324	347	339	352	346	330	297	275	261	253	260	275	288	286	283	279	284	285	286	299	1	8	30359	14	05248	111
2	✓			286	286	288	293	287	303	332	349	366	358	322	267	229	218	222	242	263	271	287	290	283	296	310	308	290	1	9	14381	14	10214	167
3	✓			296	293	291	285	286	296	323	337	345	348	324	286	244	234	225	247	267	277	285	280	281	287	316	322	291	1	8	01361	14	00216	145
4				325	307	289	273	287	305	335	353	374	380	370	327	293	264	243	232	244	255	267	286	312	379	347	346	308	1	21	43414	15	40231	183
5	✓	✓		307	297	295	277	291	312	328	348	339	327	313	281	255	231	218	218	236	260	273	273	275	281	285	287	284	0	7	44360	14	50211	149
6				287	287	289	290	293	303	315	334	350	362	346	320	291	256	231	231	250	275	281	283	285	300	299	297	294	0	9	01367	15	00225	142
7				306	303	299	291	297	306	320	327	350	351	343	307	296	268	250	249	261	268	273	277	286	293	310	320	298	1	9	00366	15	20244	122
8				311	312	279	286	312	307	329	348	362	392	372	306	275	254	244	241	253	269	274	270	271	276	283	285	296	0	9	36430	15	24233	197
9				287	288	288	283	279	274	265	271	289	327	349	338	307	277	249	244	261	275	284	282	286	297	301	300	288	0	10	05357	15	15241	116
10	✓	✓		295	290	286	288	289	297	306	319	340	350	351	337	314	272	242	237	251	265	275	277	286	290	287	286	293	0	9	55356	15	10234	122
11	✓	✓		285	285	283	283	278	287	304	317	318	326	320	308	287	263	235	235	247	259	267	270	279	288	291	297	284	0	9	45327	14	55231	96
12				303	292	285	285	293	304	310	316	318	318	314	297	276	253	226	227	244	254	263	263	271	277	284	294	282	0	9	25319	15	17214	105
13				307	317	328	313	316	325	297	316	298	275	289	276	262	223	225	234	255	266	271	270	268	277	298	306	284	1	2	08340	13	35208	132
14	✓	✓		322	318	317	317	306	322	337	348	350	344	324	298	282	265	247	232	244	257	263	265	266	284	305	285	296	1	8	26352	15	32228	124
15	✓			286	292	294	299	311	320	329	353	359	351	338	314	285	257	240	229	245	252	261	266	276	281	283	286	292	1	7	56368	15	26222	146
16			✓	294	300	305	290	305	317	331	343	366	378	320	284	254	233	222	224	231	253	254	260	275	277	282	302	288	1	9	01443	15	00212	231
17			✓	327	306	311	307	306	306	326	341	411	389	348	305	253	220	217	231	246	266	262	307	359	337	215	359	302	2	23	59480	22	24103	377
18				361	348	339	327	337	371	415	394	389	358	319	279	265	254	259	278	306	297	293	299	306	290	287	297	320	1	5	46476	14	15242	234
19				307	296	285	306	293	280	312	343	368	381	373	352	302	253	225	228	253	271	297	311	301	323	305	328	304	1	10	06414	15	00221	193
20				325	316	305	303	302	311	326	347	363	369	351	320	290	265	239	251	265	267	271	303	304	304	316	269	303	1	9	30373	14	15233	140
21				294	295	302	278	316	327	339	328	333	334	328	326	297	277	248	220	240	259	280	269	272	307	294	303	294	1	8	57354	15	39201	153
22			✓	303	303	299	303	306	299	287	288	321	336	356	307	256	237	158	205	173	140	289	251	247	273	277	279	271	2	18	46437	14	37 18	419
23				300	305	315	293	320	310	345	366	381	378	346	315	285	274	273	269	271	284	302	292	284	280	285	286	307	1	9	04395	0	00111	284
24				290	287	291	286	287	305	308	295	291	296	276	265	260	253	250	252	266	293	283	294	304	297	292	291	284	1	20	47319	14	05245	74
25			✓	293	279	286	286	285	295	301	308	315	307	307	301	296	285	271	269	275	285	290	293	314	304	349	303	296	2	22	27377	21	05254	123
26			✓	326	302	357	421	370	406	366	413	400	335	317	298	293	282	273	264	275	293	307	316	295	301	290	287	324	2	4	00535	5	42145	390
27				308	291	283	298	301	306	320	326	332	333	313	290	269	252	237	233	254	263	273	284	276	283	295	316	289	1	8	41339	15	20231	108
28	✓			300	279	272	284	291	295	315	337	348	337	323	306	295	282	263	262	266	275	280	284	283	293	306	286	294	0	8	23352	14	47258	94
29				285	284	284	277	272	285	309	328	340	338	316	286	259	240	233	242	255	269	286	295	279	278	278	282	283	0	8	54344	14	44230	114
30	✓	✓		281	280	282	280	273	285	297	322	350	337	309	285	263	251	232	239	256	276	283	280	278	280	281	283	283	0	8	45358	14	44230	128
31				284	285	284	275	289	307	329	349	358	343	316	281	264	244	240	241	248	265	275	287	293	288	299	325	290	1	8	17362	15	14235	127
MEANS ALL DAYS				303	297	297	296	300	309	323	336	348	345	330	302	277	255	238	241	254	266	279	283	286	294	295	300	294						169
MEANS TEN DAYS ✻				298	292	291	290	293	304	322	337	347	342	325	298	273	253	238	240	255	268	276	277	279	286	295	293	290						128
MEANS FIVE DAYS (G. M. T.) †				289	288	287	286	293	304	317	331 334	339 341	337	323	302	280	256	235	232	247	263	272	273	277	285	290	288	287						
MEANS FIVE DAYS (G. M. T.) ‡				324	310	321	329	327	340	354	368	363	349	330	299	270	251	228	239	240	247	280	285	298	298	283	306	302						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 103

DECLINATION

FEBRUARY 1938

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				315	296	284	279	279	306	348	387	408	388	346	306	269	238	241	243	262	267	271	269	284	305	295	281	299	1	8 24	411	4 20	230	181
2				289	288	288	291	271	282	311	312	345	346	325	292	273	250	232	241	253	275	282	296	284	285	284	285	287	1	8 47	358	14 44	229	129
3				289	283	283	284	283	292	317	352	359	347	338	304	272	249	227	234	254	275	274	275	291	305	295	305	291	1	8 33	377	14 50	217	160
4				276	296	284	277	288	291	315	318	332	332	325	297	259	243	235	244	259	283	278	279	280	279	302	289	286	1	8 57	341	14 33	232	109
5	✓			285	284	272	273	285	300	315	318	336	336	323	294	264	234	224	227	239	258	274	272	273	283	294	291	281	0	9 42	346	15 15	222	124
6			✓	280	283	278	280	284	293	313	334	347	348	336	304	255	252	206	224	232	251	257	273	306	293	282	284	283	1	9 30	349	14 25	185	164
7				359	337	266	295	303	267	292	315	305	305	312	303	290	267	250	250	253	265	255	251	270	295	273	283	286	1	0 25	408	16 10	242	166
8			✓	296	291	295	296	296	296	314	335	350	355	343	318	273	236	203	190	201	234	255	253	252	258	267	271	278	1	9 18	366	15 30	188	178
9			✓	351	358	363	314	273	292	324	346	354	353	328	290	262	244	233	232	243	254	274	276	293	310	317	297	299	1	0 55	389	15 10	231	158
10			✓	291	274	288	293	296	316	335	354	366	364	347	312	255	232	199	224	251	255	261	264	265	279	277	282	287	1	8 28	383	14 27	178	205
11				285	283	288	290	296	302	311	333	326	310	262	251	219	220	191	218	204	229	263	279	275	274	282	292	270	1	7 33	343	14 42	172	171
12				291	285	295	293	295	306	336	362	369	357	336	299	267	242	243	241	239	255	256	262	263	269	284	275	288	0	8 31	379	16 00	231	148
13				275	284	286	294	303	305	331	351	358	347	325	291	254	232	224	222	227	245	263	263	271	296	282	277	284	1	8 18	371	15 17	219	152
14			✓	286	290	292	291	287	307	333	355	378	346	313	272	231	200	189	211	244	264	253	282	330	315	317	332	288	1	8 52	386	14 54	172	214
15	✓	✓		308	300	327	322	315	322	345	372	378	368	336	286	255	233	232	235	248	265	273	270	271	271	274	274	295	0	8 30	381	14 00	227	154
16	✓	✓		277	283	284	285	291	301	317	346	361	355	329	297	263	235	215	212	229	257	273	272	270	270	271	275	282	0	9 00	376	15 30	210	166
17	✓			280	280	283	284	288	294	312	346	383	392	358	295	242	217	206	202	222	249	264	273	268	268	271	273	281	0	9 17	396	15 11	200	196
18	✓			273	276	283	282	289	299	316	353	369	376	366	322	276	253	232	222	233	253	263	265	264	270	274	276	287	0	9 32	383	15 40	220	163
19	✓	✓		281	282	283	284	288	297	315	346	372	369	353	313	260	213	194	199	221	250	265	264	268	271	272	274	281	0	8 40	382	14 50	188	194
20	✓	✓		276	278	279	281	283	287	304	324	346	358	344	311	259	222	200	209	233	253	265	264	272	276	276	280	278	0	9 30	363	14 40	198	165
21	✓			275	276	279	281	283	291	309	341	365	368	344	306	258	221	211	211	220	245	252	264	264	268	273	275	278	0	8 37	373	14 50	209	164
22	✓	✓		275	278	282	283	287	292	306	326	337	338	325	298	265	242	234	232	238	255	266	266	266	268	273	282	280	0	9 00	344	15 40	230	114
23				283	284	285	289	291	297	308	325	348	354	332	306	275	247	232	225	241	254	253	261	266	294	305	303	286	1	9 09	366	15 50	224	142
24	✓			313	293	286	286	284	281	291	314	327	318	291	273	254	242	225	224	244	264	275	278	270	273	284	282	278	0	8 33	332	14 46	221	111
25				276	274	262	272	278	272	282	319	334	333	318	296	272	253	242	242	253	264	265	264	267	285	306	304	281	1	8 22	335	14 30	241	94
26				302	306	301	294	285	294	316	336	340	321	292	273	255	250	251	252	255	261	262	270	268	266	273	289	284	0	7 53	347	14 20	245	102
27				296	296	277	274	289	302	312	327	342	328	296	263	241	230	232	239	249	259	265	265	274	274	300	294	280	0	8 12	347	13 30	228	119
28				282	281	274	283	281	273	274	312	335	336	324	276	259	250	244	247	245	255	258	262	284	277	282	276	278	1	8 18	356	14 05	234	122
29																																		
30																																		
31																																		
MEANS ALL DAYS				292	290	287	288	288	295	314	338	352	348	327	295	260	237	223	227	239	257	265	269	275	281	285	286	284						152
MEANS TEN DAYS *				284	283	286	286	289	296	313	339	357	358	337	300	260	231	217	217	233	255	267	269	269	272	276	278	282						155
MEANS FIVE DAYS † (G. M. T.)				278	280	282	284	287	294	310	343 336	359 361	358	337	301	260	229	215	217	234	256	268	267	269	271	273	277	281						
MEANS FIVE DAYS ‡ (G. M. T.)				319	310	306	303	297	300	321	344	359	353	333	299	255	233	206	216	234	252	260	270	289	291	292	293	289						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 104

DECLINATION

MARCH 1938

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	277	276	282	283	256	284	296	299	314	305	286	279	256	241	231	233	251	274	281	273	278	296	313	299	278	1	8	31 345	14	01 222	123
2				289	294	286	262	275	292	304	329	348	344	337	317	289	266	256	251	246	251	261	268	274	274	282	282	287	0	8	30 359	3	40 224	135
3				280	281	282	282	280	278	295	318	339	348	337	305	282	256	243	239	242	254	264	265	266	268	274	279	282	0	9	20 353	15	50 237	116
4				281	281	274	275	282	284	298	318	335	347	347	325	294	266	243	239	243	255	264	265	269	271	274	281	284	0	10	22 354	15	20 238	116
5			✓	284	280	278	274	265	281	302	321	325	326	322	295	269	248	239	232	242	261	257	257	272	305	330	339	284	1	23	20 356	16	02 209	147
6				335	328	326	303	286	301	312	330	355	341	308	301	284	270	260	261	266	264	264	267	270	272	274	278	294	1	2	47 366	14	47 256	110
7				283	285	291	295	294	272	268	293	316	327	329	315	294	268	253	240	240	252	271	273	275	282	303	292	284	0	10	25 335	16	24 237	98
8	✓			300	297	293	286	283	283	291	304	311	323	325	318	300	279	261	245	240	250	261	268	271	273	277	276	284	0	9	26 329	16	30 239	90
9	✓			281	283	278	275	278	276	270	284	310	323	325	322	300	272	250	242	242	254	264	269	270	271	274	276	279	0	10	20 326	15	50 241	85
10	✓	✓		276	276	277	282	284	281	283	304	326	334	328	314	284	259	240	235	242	255	262	264	271	272	273	273	279	0	9	55 339	15	20 234	105
11				274	275	280	280	282	285	292	302	315	326	335	325	303	273	250	236	235	244	253	258	265	267	269	272	279	0	10	15 336	16	20 232	104
12				275	275	278	282	281	284	293	307	304	317	341	321	293	258	242	234	232	236	240	251	257	262	270	277	275	1	10	31 357	17	23 230	127
13	✓			281	282	283	284	285	290	301	320	330	334	327	308	286	270	253	242	241	246	253	258	264	264	267	273	281	0	9	00 337	16	20 239	98
14				275	276	277	278	279	284	298	314	317	332	336	317	291	276	247	234	231	244	254	255	262	265	274	274	279	1	10	34 344	16	10 229	115
15				275	275	284	284	277	284	305	335	336	358	349	320	282	263	250	241	239	246	256	255	285	273	275	278	284	1	10	00 367	16	00 237	130
16	✓	✓		282	291	293	293	293	294	303	316	327	333	327	315	292	266	254	246	243	249	257	262	264	265	269	272	284	0	9	28 335	16	10 242	93
17				277	278	279	282	285	287	296	307	325	331	305	284	259	242	226	225	233	246	258	258	262	264	271	274	273	0	8	48 341	14	50 222	119
18	✓	✓		281	276	277	277	280	285	301	324	344	350	344	317	289	264	240	224	226	241	252	255	262	266	268	272	280	0	9	50 357	15	41 222	135
19	✓	✓		273	278	279	281	282	285	294	310	326	331	320	294	264	246	237	231	234	246	255	260	264	265	268	270	275	0	9	20 332	15	20 230	102
20	✓	✓		272	274	274	274	275	279	286	293	318	328	329	312	282	258	244	243	244	252	262	263	266	269	270	270	277	0	10	00 336	15	50 242	94
21				274	274	276	276	278	282	285	301	315	321	329	313	281	253	234	226	231	247	262	260	262	263	274	276	275	0	10	30 331	15	30 225	106
22			✓	280	283	285	283	289	283	290	323	335	331	338	315	280	228	181	202	200	235	269	262	294	322	296	304	280	1	10	16 361	14	37 106	255
23			✓	301	295	290	271	242	251	250	248	243	264	279	274	274	275	279	280	272	322	268	264	270	274	274	274	272	1	17	46 346	9	10 210	136
24			✓	282	302	333	297	261	256	245	243	234	315	290	290	265	261	245	230	252	296	275	269	285	284	283	281	274	1	2	34 349	7	45 203	146
25				281	279	279	280	278	271	283	315	343	346	336	316	287	261	243	234	250	260	268	294	275	274	277	274	284	1	8	48 353	15	55 233	120
26				273	284	264	269	282	256	274	282	311	308	279	292	269	255	246	243	250	261	275	294	284	283	294	293	276	1	9	20 346	15	10 241	105
27				315	325	305	292	278	278	284	301	325	326	323	305	282	253	241	234	239	250	263	275	274	271	272	273	283	0	9	53 333	15	30 233	100
28				274	276	276	273	268	273	284	302	318	321	306	284	257	241	235	242	253	258	264	265	268	271	274	273	273	0	9	05 325	14	23 234	91
29				274	274	273	273	275	282	287	295	311	318	299	275	250	232	228	235	247	254	259	263	268	268	267	272	270	0	9	20 322	14	14 226	96
30	✓			274	283	311	299	294	295	307	318	319	312	296	282	263	258	253	253	254	255	259	263	264	268	273	273	280	0	9	26 322	15	00 250	72
31	✓			275	275	275	275	277	283	289	299	312	315	304	284	262	243	234	232	237	253	260	260	263	265	269	272	271	0	9	30 317	15	30 231	86
MEANS ALL DAYS				282	284	285	281	278	281	289	305	319	327	321	304	279	258	243	238	242	255	262	265	270	274	278	280	279						115
MEANS TEN DAYS ✱				280	282	284	283	283	285	292	307	322	328	322	307	282	262	247	239	240	250	258	262	266	268	271	273	279						96
MEANS FIVE DAYS † (G. M. T.)				274	276	278	279	280	284	291	309 303	328 320	335	330	310	282	259	243	236	238	249	258	261	265	267	270	271	278						
MEANS FIVE DAYS ‡ (G. M. T.)				298	300	303	283	268	274	279	293	290	308	303	291	269	251	235	235	243	278	270	265	280	296	299	299	280						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▯ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 105

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			272	272	273	273	273	273	276	289	300	303	296	290	271	252	242	242	250	256	255	260	262	264	269	272	270	0	9	27	306	15	05	238	68
2	✓	✓		274	273	272	273	271	275	286	303	318	324	314	295	265	239	227	234	243	253	257	261	263	264	267	271	272	0	9	40	325	14	30	225	100
3				271	271	272	273	275	282	284	302	320	333	306	283	255	222	216	225	239	249	252	241	252	263	272	275	268	1	9	49	341	14	02	213	128
4	✓			275	278	284	277	279	282	288	303	321	325	314	282	241	223	222	222	233	247	251	261	267	285	273	273	271	1	9	03	341	15	05	221	120
5	✓	✓		282	271	265	269	273	278	288	305	322	333	326	307	283	262	250	241	246	252	261	262	265	266	268	269	277	0	9	40	333	15	38	240	93
6				269	268	265	270	271	274	284	303	332	345	345	325	288	250	235	218	226	218	249	263	268	271	277	275	275	1	10	35	355	15	53	210	145
7				271	269	271	249	266	272	293	318	340	348	325	300	272	252	230	221	232	246	243	240	248	282	282	282	273	1	8	55	359	15	33	214	145
8				280	278	275	275	282	282	284	308	319	333	323	302	269	241	226	223	233	244	252	260	265	266	270	272	273	0	9	11	337	15	08	216	121
9				271	271	271	273	274	279	288	305	325	330	322	299	270	242	230	230	232	244	252	254	272	314	272	273	275	1	8	07	335	15	05	223	112
10				271	270	270	262	268	281	291	297	316	328	315	296	263	240	233	236	239	238	250	256	259	266	275	272	270	0	9	10	335	14	43	226	109
11				268	273	272	271	274	278	283	289	302	306	310	301	281	267	261	244	239	241	241	243	255	263	269	284	271	1	10	10	311	19	10	230	81
12				301	296	301	293	296	291	300	310	311	304	298	290	282	264	253	241	233	230	240	260	283	265	272	274	279	1	8	10	325	17	08	223	102
13			✓	273	272	272	273	274	282	283	293	308	330	329	319	293	263	241	232	231	245	256	266	268	260	272	273	275	1	9	53	341	16	42	228	113
14			✓	279	283	277	280	285	270	275	262	276	314	285	263	249	215	200	208	201	225	231	229	259	275	284	289	259	1	9	27	365	16	04	127	238
15				288	287	284	292	297	297	301	315	311	304	304	282	258	246	240	238	240	248	259	272	262	264	269	283	277	1	8	22	334	15	10	236	98
16			✓	280	274	273	274	274	272	282	293	306	308	309	293	273	263	281	291	181	247	274	301	294	301	306	293	281	2	15	23	481	16	17	96	385
17			✓	290	261	283	272	259	271	281	313	333	333	329	312	285	266	263	262	272	274	291	277	280	279	281	271	285	1	8	56	344	11	14	243	101
18				283	283	272	266	273	262	267	300	303	311	296	282	263	244	240	249	251	260	266	267	277	281	277	271	273	1	9	39	324	14	12	233	91
19				258	269	255	249	261	263	265	277	290	294	305	289	265	253	246	242	250	263	279	274	268	269	271	276	268	1	10	40	312	15	20	241	71
20	✓			285	277	263	263	263	272	283	296	312	311	306	292	274	263	254	252	252	259	261	262	264	267	283	281	275	0	8	24	319	15	32	247	72
21	✓			272	271	272	277	269	272	283	292	304	313	314	298	272	256	246	239	247	257	262	262	264	267	278	273	273	0	9	05	316	15	26	231	85
22				271	271	271	264	279	279	281	282	300	312	312	296	271	260	252	243	241	248	259	262	273	285	308	273	275	1	22	42	319	16	30	239	80
23			✓	272	272	275	282	263	263	283	294	313	313	317	296	270	254	240	214	216	234	239	271	310	304	314	298	275	1	20	18	345	17	08	200	145
24				311	306	289	289	306	273	285	308	312	305	294	283	262	241	233	232	238	253	269	274	272	278	274	281	278	1	1	06	331	15	10	229	102
25				273	271	264	262	262	272	280	292	308	317	314	295	274	252	237	230	242	253	278	270	267	289	274	275	273	1	9	23	342	15	10	228	114
26				296	301	304	269	274	255	277	283	290	293	284	274	257	243	240	235	242	255	252	258	263	269	297	271	270	0	22	11	323	15	44	233	90
27	✓			269	270	270	270	273	274	278	289	306	319	311	284	261	250	242	238	243	252	257	260	263	265	266	266	270	0	9	20	324	15	38	235	89
28	✓	✓		267	267	271	271	270	269	271	282	296	307	303	291	275	262	246	241	240	251	254	260	265	272	269	270	270	0	9	20	311	16	20	238	73
29	✓	✓		269	267	268	268	270	272	275	286	304	314	316	303	276	259	241	233	239	252	259	262	264	264	266	267	271	0	9	55	323	15	30	231	92
30	✓	✓		269	268	267	265	266	266	269	276	293	309	313	301	277	257	245	241	241	251	252	254	260	265	271	273	269	0	10	30	315	16	10	240	75
31																																		
MEANS ALL DAYS				277	275	274	271	274	274	282	296	310	317	311	294	270	250	240	237	237	248	257	261	268	274	278	276	273								115
MEANS TEN DAYS ✲				273	271	270	271	271	273	280	292	308	316	311	294	270	252	242	238	243	253	257	260	264	268	271	272	272								87
MEANS FIVE DAYS (G. M. T.) †				271	270	270	271	272	275	278	290 290	307 308	317	314	299	275	256	242	238	242	252	257	260	263	266	268	270	272							
MEANS FIVE DAYS (G. M. T.) ‡				290	284	281	280	284	275	282	300	307	320	314	297	274	252	245	241	220	245	258	269	282	284	291	285	277								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 106

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		275	275	276	277	279	279	278	281	292	303	299	289	271	252	241	229	232	244	250	256	261	264	266	267	268	0	9 43	304	15 40	225	79
2				268	268	266	270	270	272	278	284	312	340	341	318	291	262	241	233	241	252	255	259	269	284	275	269	276	0	9 57	346	15 24	231	115
3				269	270	266	269	271	272	273	282	295	315	317	296	264	232	220	218	214	233	248	260	270	271	273	279	266	1	10 00	322	16 14	209	113
4			✓	286	299	295	284	272	277	260	288	303	298	284	282	254	248	227	223	222	244	261	264	272	277	296	325	273	1	23 34	346	15 57	208	138
5				294	281	270	267	262	271	268	283	304	324	325	313	290	263	248	238	242	255	264	264	267	268	269	274	275	1	9 53	334	15 33	235	99
6				314	279	284	293	272	281	275	273	292	303	303	286	270	250	237	231	232	243	253	262	266	268	278	283	272	1	0 27	330	16 30	225	105
7	✓			271	265	266	267	268	269	271	281	302	324	326	302	268	246	234	227	238	249	253	258	262	265	269	264	269	0	10 14	334	15 11	221	113
8	✓	✓		263	271	266	265	266	267	272	284	311	325	311	284	253	237	235	231	236	248	256	262	262	269	275	266	267	0	9 27	330	15 40	230	100
9	✓			264	267	267	267	271	263	271	281	302	316	320	303	271	252	243	238	239	248	253	259	262	263	269	269	269	0	9 53	325	16 00	238	87
10				265	266	268	269	271	273	283	289	303	320	303	285	253	231	227	221	230	244	252	257	261	263	267	269	265	0	9 30	327	15 58	218	109
11			✓	269	272	271	265	269	272	272	277	301	315	309	301	284	262	247	231	221	233	244	252	256	266	271	271	268	1	9 38	324	16 28	217	107
12			✓	292	322	405	391	365	325	351	271	283	316	305	293	281	262	243	233	229	252	264	274	283	314	323	302	299	1	2 40	469	5 50	201	268
13				320	311	290	273	262	280	265	252	294	310	325	318	298	289	260	249	252	262	264	269	271	275	271	272	280	0	10 40	331	7 47	230	101
14			✓	269	267	268	264	262	259	263	276	296	310	301	281	268	253	241	223	224	243	244	322	297	295	326	292	273	1	19 43	366	16 13	217	149
15				274	273	261	246	257	222	199	221	262	283	303	290	271	250	234	234	243	262	267	265	270	283	283	274	259	1	10 29	314	7 20	170	144
16				258	267	263	270	269	269	257	273	294	304	297	273	262	252	241	234	254	246	249	260	272	293	293	293	268	1	21 15	313	15 23	227	86
17				279	274	261	245	257	264	264	262	257	292	287	274	263	249	244	242	244	271	265	262	268	279	277	272	265	1	9 44	303	15 50	238	65
18				267	263	274	262	259	259	262	263	272	281	290	282	276	265	255	253	248	259	267	265	270	271	270	271	267	0	10 34	293	16 17	244	49
19	✓			272	272	271	271	270	267	266	263	272	287	295	290	276	263	253	247	249	260	262	263	264	267	270	274	268	0	10 30	296	15 46	242	54
20	✓	✓		266	266	267	261	262	269	267	266	275	284	288	279	263	255	250	246	252	259	263	264	269	270	269	268	266	0	10 00	290	15 09	244	46
21	✓			266	264	262	263	265	265	271	272	284	292	288	279	269	255	251	240	241	254	258	261	269	271	272	271	266	0	10 00	294	15 40	237	57
22				267	265	263	264	264	264	263	262	267	277	285	283	277	272	261	244	242	253	261	260	264	268	271	273	265	0	10 40	288	16 20	240	48
23	✓	✓		272	268	267	265	264	264	262	258	269	283	292	293	284	270	255	242	244	254	259	261	263	264	264	265	266	0	11 05	299	15 50	239	60
24				266	265	264	266	268	268	268	263	272	287	298	300	290	279	262	242	244	253	253	260	262	267	274	274	269	0	11 09	303	15 52	239	64
25				280	280	271	266	275	264	269	261	268	293	295	285	268	261	249	232	239	249	253	257	262	269	271	273	266	1	9 48	302	15 23	226	76
26	✓	✓		269	267	264	265	267	268	269	271	285	295	305	301	288	272	261	244	245	255	261	262	265	267	268	266	270	0	10 33	310	16 19	241	69
27				264	263	263	263	264	264	264	263	275	291	298	294	280	262	244	240	246	257	262	263	268	271	271	273	267	0	10 49	303	15 25	239	64
28				272	283	277	272	271	270	269	262	273	289	297	294	282	263	243	225	234	249	261	262	268	271	271	272	268	1	11 00	301	15 18	219	82
29			✓	269	263	262	262	265	264	269	268	278	290	284	272	264	250	229	225	229	227	231	234	271	283	304	303	262	1	22 38	317	15 38	213	104
30				294	291	280	272	272	270	262	250	278	292	292	280	271	260	251	236	231	229	239	252	271	274	282	272	267	1	10 17	300	17 14	222	78
31	✓			269	263	254	265	252	270	270	271	271	273	276	270	261	257	252	242	238	253	263	264	268	269	269	269	263	0	10 10	281	16 13	234	47
MEANS ALL DAYS				275	274	274	271	270	269	269	269	285	300	301	290	273	257	244	235	238	250	256	262	268	274	278	276	269						93
MEANS TEN DAYS ✱				269	268	266	267	266	268	270	273	286	298	300	289	270	256	248	239	241	252	258	261	264	267	269	268	267						71
MEANS FIVE DAYS † (G. M. T.)				266	265	264	266	268	266	270	272 273	286 289	298	299	289	272	257	248	238	242	252	258	261	264	267	268	266	267						
MEANS FIVE DAYS ‡ (G. M. T.)				295	296	301	290	284	274	269	255	292	306	297	286	270	255	237	227	225	240	249	269	276	287	304	299	274						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 107

DECLINATION

JUNE 1938

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120^{m} MERIDIAN MEAN TIME)

JUNE 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				256	256	247	250	260	261	262	262	273	278	279	274	261	247	239	228	230	245	255	257	261	270	265	264	258	0	10	18	281	16 00	225	56
2			✓	259	257	255	258	256	258	258	256	260	267	266	264	255	252	248	244	247	253	256	260	267	262	265	270	258	0	23	50	275	15 50	242	33
3				286	289	274	266	241	240	247	257	246	270	284	286	280	274	263	250	246	250	254	258	264	267	267	267	264	0	1	04	308	5 38	215	93
4	✓	✓		266	263	265	264	265	266	265	256	260	274	278	267	257	253	246	244	246	249	254	258	264	266	266	266	261	0	10	32	282	15 45	242	40
5				267	263	263	264	267	267	266	267	277	287	278	261	256	251	238	236	236	244	255	254	259	267	268	267	261	0	9	36	287	16 00	229	58
6				267	262	262	263	262	262	264	267	277	287	288	282	268	260	246	235	236	244	255	258	265	266	267	269	263	0	10	08	291	15 47	233	58
7				267	269	267	267	256	268	268	265	276	285	283	274	259	246	233	232	237	246	250	256	262	265	266	266	261	0	9	57	287	14 42	228	59
8			✓	265	265	265	264	266	264	251	253	271	286	282	270	264	237	236	236	239	244	262	262	264	268	272	277	261	1	9	33	311	6 05	223	88
9				269	267	267	243	255	260	261	265	272	287	287	277	268	253	245	239	246	254	256	257	260	260	260	259	261	0	9	49	293	16 00	236	57
10				258	256	255	255	256	257	258	253	264	268	274	269	257	253	245	238	243	253	260	265	262	261	277	293	260	1	22	59	306	15 34	234	72
11			✓	285	285	280	265	260	242	245	237	237	237	238	255	251	246	245	253	256	262	267	281	281	268	274	281	260	1	19	55	308	9 27	228	80
12			✓	267	268	260	246	252	245	257	255	261	265	276	268	269	260	258	256	245	247	258	276	268	276	277	274	262	1	19	34	291	3 59	231	60
13			✓	267	261	262	254	245	238	243	246	247	257	269	267	253	253	241	222	229	256	254	278	274	275	277	269	256	1	19	43	305	15 34	205	100
14				267	268	267	265	255	257	260	261	256	260	282	277	269	264	255	247	246	251	257	258	261	263	263	263	261	1	0	43	286	16 10	243	43
15				262	261	261	262	259	260	258	251	□													□	260	260		0	□					□
16	✓			260	257	258	254	257	257	256	251	257	268	280	278	269	255	245	234	239	246	252	260	265	268	278	295	260	0	23	10	299	15 25	233	66
17				272	262	255	255	256	250	237	236	245	260	267	268	267	261	257	248	252	255	258	262	261	261	260	260	257	0	0	00	277	7 15	235	42
18	✓			258	258	259	261	265	261	259	257	258	266	267	254	246	239	236	237	244	253	257	258	264	263	264	262	256	0	10	15	272	14 03	225	47
19				259	258	257	256	257	257	254	255	259	267	271	266	256	247	239	237	245	253	259	260	263	262	261	260	257	0	10	57	273	15 27	234	39
20	✓			258	257	258	258	261	264	263	259	260	269	274	272	259	249	239	236	243	252	258	260	262	264	265	265	259	0	10	00	275	15 30	236	39
21				264	260	258	258	259	261	258	266	270	278	283	266	254	233	227	225	235	239	246	250	260	277	270	269	257	1	21	40	288	15 07	220	68
22				271	265	267	265	262	262	262	257	256	263	268	267	261	250	244	228	232	243	250	257	260	262	267	267	258	0	10	35	274	16 18	226	48
23	✓	✓		266	264	262	262	264	261	260	257	259	268	272	273	269	267	255	246	246	254	257	258	261	263	262	264	261	0	11	10	276	16 00	244	32
24	✓			266	264	265	264	262	260	257	257	267	277	281	280	267	246	231	232	240	247	250	257	260	264	265	263	259	0	10	00	282	14 48	227	55
25	✓			258	256	253	245	251	256	253	256	268	278	288	287	277	264	251	244	244	252	258	262	262	263	269	260	261	0	10	52	291	3 25	235	56
26	✓			260	258	257	257	253	254	255	255	261	275	284	284	277	269	256	240	242	247	255	257	260	261	261	264	260	0	10	46	288	15 40	236	52
27	✓	✓		260	258	254	251	249	249	252	252	259	275	284	282	267	265	251	244	247	256	255	257	258	259	260	261	259	0	10	33	288	15 30	241	47
28	✓	✓		259	258	257	255	253	252	254	249	259	278	292	296	283	265	244	233	243	250	255	256	257	257	258	257	259	0	11	10	297	15 22	228	69
29				256	255	253	246	254	252	251	248	259	275	288	293	282	264	245	235	241	249	254	255	257	259	266	267	258	0	11	22	296	15 30	233	63
30				267	273	248	274	261	254	255	249	260	278	290	298	285	277	273	251	243	246	247	250	257	260	267	267	264	0	11	51	299	2 44	219	80
31																																		
MEANS ALL DAYS a)				265	263	260	258	257	256	256	255	261	272	278	274	265	255	246	239	242	250	255	260	263	265	267	268	260							a) 59
MEANS TEN DAYS ✱				261	259	259	257	258	258	257	255	261	273	280	277	267	257	245	239	243	251	255	258	261	263	265	266	259							50
MEANS FOUR DAYS (G. M. T.) b) †				262	260	260	257	259	258	257	254 255	259 266	274	282	280	269	262	249	242	246	252	255	257	260	261	262	262	260							
MEANS FIVE DAYS (G. M. T.) ‡				271	271	266	255	250	248	254	257	255	262	266	265	258	250	246	242	243	252	259	271	271	270	273	274	260							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
[ ] = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete day June 15

b) Omitting incomplete Greenwich day June 15

TABLE 108

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1938 — JULY 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				264	261	257	256	257	256	255	251	259	274	274	258	243	237	237	226	218	241	236	255	268	277	277	270	254	1	10	13	279	16	27	213	66
2				256	257	272	277	272	253	258	246	256	270	281	282	275	255	235	238	236	236	246	251	258	265	267	267	259	0	11	10	288	14	47	226	62
3	✓	✓		264	265	263	261	260	258	257	253	253	262	267	260	256	246	243	236	236	247	252	254	257	259	260	260	255	0	10	20	267	15	56	234	33
4			✓	261	260	259	260	260	262	260	258	267	277	282	278	264	249	238	226	225	233	234	246	267	301	296	277	260	1	21	54	324	16	39	219	105
5				271	267	247	248	277	257	265	260	266	275	280	288	274	275	256	243	242	247	256	257	261	275	282	276	264	1	22	06	326	5	09	205	121
6				270	266	256	252	256	257	257	260	267	277	284	277	271	253	234	215	226	236	242	247	261	258	265	265	256	1	10	40	291	15	43	209	82
7	✓			266	258	255	254	257	257	257	260	271	283	292	283	266	249	229	226	236	247	254	257	258	267	262	257	258	0	10	45	292	14	37	220	72
8				256	256	256	256	257	258	260	259	271	284	290	289	271	247	230	217	225	241	247	248	249	255	267	266	256	0	11	17	297	15	28	215	82
9				267	263	259	260	257	258	257	258	271	280	288	287	274	266	247	233	234	245	248	253	258	259	259	262	260	0	10	44	290	15	41	229	61
10			✓	263	259	254	247	244	255	247	205	224	257	278	271	243	225	217	205	209	240	257	258	262	272	276	258	247	1	21	48	290	7	42	188	102
11				262	274	302	281	282	268	262	261	260	269	275	267	252	253	244	233	233	244	248	253	255	260	260	264	261	0	2	43	329	16	17	227	102
12				263	261	261	261	260	259	257	255	267	278	282	274	257	247	239	234	235	243	248	254	256	257	258	258	257	0	10	50	287	15	10	233	54
13				256	255	255	254	250	250	249	247	254	268	283	287	280	272	254	237	236	247	253	256	256	257	257	256	257	0	11	29	288	15	30	235	53
14				257	254	255	255	248	249	235	213	249	276	270	263	283	274	249	233	235	245	253	255	259	260	261	264	254	0	10	05	297	7	25	192	105
15			✓	260	265	264	257	267	267	256	252	265	279	279	286	269	257	243	206	206	222	228	223	253	274	288	309	257	1	22	11	341	18	45	190	151
16			✓	338	275	335	356	350	295	276	252	286	278	284	274	268	267	260	247	241	271	243	250	276	268	264	274	280	1	4	53	374	1	55	205	169
17				277	276	268	272	264	266	258	255	266	274	280	276	267	245	236	233	236	246	251	255	259	260	261	264	260	0	10	43	284	14	09	230	54
18	✓			264	261	263	257	260	260	257	258	267	277	280	274	261	245	237	228	236	244	247	250	254	257	257	258	256	0	10	02	283	15	26	226	57
19				261	265	261	262	260	260	258	261	275	276	294	294	278	255	237	225	232	237	246	256	258	263	263	258	260	0	11	15	298	15	44	223	75
20				257	258	260	257	256	255	253	249	260	277	293	295	279	257	235	218	214	233	245	247	255	260	264	263	256	0	11	23	298	16	10	206	92
21				262	263	263	261	257	260	250	255	275	288	294	288	275	257	234	217	219	236	246	246	254	255	261	267	258	0	10	51	297	15	46	211	86
22	✓			266	265	267	265	262	258	256	247	257	273	281	284	278	255	229	223	225	238	247	247	249	254	257	262	256	0	10	52	287	15	52	218	69
23	✓			267	273	263	258	258	258	257	257	270	278	283	279	267	249	233	220	226	239	246	250	254	257	262	262	257	0	10	43	285	15	23	218	67
24	✓			266	263	257	257	252	255	249	249	258	264	287	290	279	267	247	229	230	241	246	247	253	253	257	258	256	0	11	10	294	16	04	226	68
25	✓	✓		265	259	259	257	256	256	257	256	264	279	291	287	269	258	243	232	233	244	248	250	256	257	257	257	258	0	10	35	295	16	00	228	67
26	✓	✓		258	258	257	256	253	254	254	252	261	276	288	287	269	258	245	234	229	236	245	247	250	260	260	263	256	0	10	57	295	16	29	227	68
27	✓	✓		260	260	257	256	253	253	253	254	267	285	296	301	292	274	256	237	228	237	246	247	250	254	255	256	259	0	11	37	305	16	10	227	78
28	✓	✓		255	253	252	248	247	244	246	243	253	274	294	299	295	280	257	243	235	243	248	249	251	253	255	256	257	0	11	43	302	16	35	233	69
29				253	253	252	253	252	253	253	247	260	278	295	297	286	258	236	223	223	235	242	242	244	254	257	265	255	0	11	10	299	15	48	217	82
30			✓	274	274	265	256	256	255	248	234	255	269	274	280	272	245	196	182	175	205	203	215	246	268	277	284	246	1	12	36	299	15	00	142	157
31				274	273	268	277	266	267	276	266	280	292	298	289	273	255	245	232	228	243	251	253	257	258	259	260	264	0	10	14	300	16	15	223	77
MEANS ALL DAYS				266	263	263	262	261	258	256	251	263	276	284	282	271	256	239	227	227	240	245	249	256	262	265	265	258								83
MEANS TEN DAYS ✲				263	262	259	257	256	255	254	253	262	275	286	284	273	258	242	231	231	242	248	250	253	257	258	259	257								65
MEANS FIVE DAYS † (G. M. T.)				257	257	255	255	253	253	253	252 251	260 262	275	287	287	276	263	249	236	232	241	248	249	253	257	257	258	257							
MEANS FIVE DAYS ‡ (G. M. T.)				284	273	284	287	288	271	267	259	259	272	279	278	263	249	231	213	211	234	233	238	261	277	280	280	261							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 109

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	M	MINIMUM H	M	RANGE
1				259	257	257	257	257	257	256	256	267	278	289	288	280	269	247	215	196	213	215	222	236	257	266	273	253	1	10	45	294	15	55	175	119
2				262	277	267	265	275	260	253	239	233	251	268	272	276	272	253	229	230	246	253	253	255	257	265	268	257	1	1	33	315	8	01	203	112
3			✓	278	281	287	287	280	254	256	242	249	245	272	286	277	267	250	237	233	243	250	253	253	255	256	260	260	1	10	05	291	16	14	230	61
4			✓	262	263	258	261	262	221	135	196	257	278	288	286	288	247	198	161	173	196	220	258	269	281	283	284	243	1	21	04	318	6	33	101	217
5				269	268	257	254	261	248	214	220	243	257	270	258	266	259	237	212	219	236	245	248	257	268	272	283	251	1	22	56	289	15	42	202	87
6				288	287	268	270	257	258	252	246	252	285	297	296	285	261	251	232	236	237	244	247	252	258	260	269	262	1	1	21	306	16	18	224	82
7				268	267	265	258	256	257	254	241	259	280	295	289	271	260	229	205	207	218	236	243	250	253	259	268	254	1	10	34	296	15	45	195	101
8				274	265	268	264	258	257	255	253	264	282	295	295	283	263	236	225	226	236	242	244	254	255	255	256	259	0	11	33	298	15	31	222	76
9	✓			257	257	257	247	252	254	252	254	267	282	288	282	268	249	227	216	224	237	247	248	251	253	255	254	253	0	10	27	292	15	30	212	80
10				255	254	254	254	252	249	247	251	278	302	299	287	264	239	233	220	226	239	246	247	253	257	257	256	255	1	9	30	306	15	30	218	88
11			✓	254	249	249	249	254	252	253	256	266	279	289	289	267	246	227	205	201	206	209	214	282	300	320	333	256	1	20	03	363	19	35	179	184
12				302	284	270	265	248	237	227	245	260	269	289	286	271	261	248	233	227	238	248	249	253	257	259	259	258	1	0	00	319	6	44	206	113
13				261	259	258	259	263	261	259	259	270	287	299	300	294	280	256	234	225	237	248	249	253	256	255	254	262	0	11	54	310	16	31	221	89
14				253	251	251	251	251	250	249	248	266	288	297	290	277	259	238	225	226	238	248	249	251	252	254	252	255	0	10	28	298	16	00	223	75
15	✓	✓		250	255	253	250	253	249	247	248	272	294	297	289	277	258	243	227	231	243	249	248	248	249	250	251	255	0	9	56	300	15	45	226	74
16	✓	✓		254	250	253	252	250	251	249	253	272	292	299	298	276	248	218	213	226	243	253	249	253	252	255	254	255	0	11	00	301	15	28	208	93
17	✓			250	251	249	249	249	248	248	257	278	300	301	290	270	241	216	204	214	228	238	238	247	246	258	261	251	0	10	00	305	15	18	202	103
18	✓	✓		261	258	258	258	258	255	250	251	266	287	297	290	279	257	237	224	226	237	247	248	251	256	258	257	257	0	10	18	299	15	48	222	77
19	✓			256	257	258	253	254	249	249	254	270	289	289	278	261	243	227	225	226	236	243	247	250	252	255	260	253	0	10	07	292	15	11	222	70
20	✓	✓		264	269	266	257	254	252	253	256	269	289	300	297	275	241	217	203	208	230	242	246	247	252	254	255	254	0	10	55	303	16	01	197	106
21				254	255	248	248	251	250	247	251	269	288	296	294	277	251	230	213	213	227	240	245	247	249	251	250	252	0	10	28	299	16	10	209	90
22			✓	251	259	283	265	252	248	248	256	270	293	302	299	283	259	237	224	225	234	243	246	248	249	275	258	259	0	10	10	308	15	47	220	88
23			✓	265	255	254	262	244	243	252	252	269	279	282	275	266	261	240	214	190	195	174	231	245	251	258	263	247	1	8	10	299	18	06	143	156
24				260	258	257	257	255	256	255	258	269	285	292	281	268	254	234	224	224	231	240	245	248	249	255	254	255	0	10	27	294	16	02	217	77
25				253	252	251	251	251	251	247	216	232	269	283	287	276	260	243	226	226	236	241	243	247	248	249	253	250	0	11	10	289	7	53	206	83
26	✓			255	252	254	253	255	247	245	241	257	280	289	287	278	257	237	230	228	237	240	243	247	248	249	250	252	0	10	10	282	16	15	225	57
27	✓	✓		251	250	250	249	247	248	247	251	269	286	306	300	288	261	237	219	217	231	239	238	240	246	244	250	253	0	10	53	309	16	20	215	94
28				254	248	248	248	247	247	245	251	279	306	318	309	288	266	242	225	224	234	241	243	244	248	248	248	256	0	10	36	320	16	00	219	101
29				249	248	248	247	238	243	233	248	269	286	295	288	266	244	226	209	208	226	237	238	245	247	250	255	248	0	10	17	298	15	44	200	98
30				253	257	248	264	263	268	256	276	300	313	311	287	260	241	224	220	216	225	231	234	246	251	255	259	257	0	9	05	320	15	46	203	117
31	✓			257	256	244	245	243	245	247	259	284	294	298	290	267	241	214	205	204	216	230	242	244	248	250	252	249	0	10	09	306	15	46	197	109
MEANS ALL DAYS				261	260	258	256	255	250	245	248	265	284	293	288	275	255	234	218	218	230	238	243	251	255	259	261	254								99
MEANS TEN DAYS *				256	256	254	251	252	250	249	252	270	289	296	290	274	250	227	217	220	234	243	245	248	250	253	254	253								86
MEANS FIVE DAYS † (G. M. T.)				254	252	251	250	250	249	248	252 253	270 274	290	300	295	279	253	230	217	222	237	246	246	248	251	252	253	254								
MEANS FIVE DAYS ‡ (G. M. T.)				272	266	259	260	254	241	217	234	262	275	287	287	276	256	230	208	204	215	219	240	259	267	278	280	252								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⌧ = NO RECORD

TABLE 110

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1938

SEPTEMBER 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		255	251	253	254	251	250	250	262	289	301	303	296	269	238	222	213	216	224	230	237	244	248	251	257	253	0	10 07	307	15 45	208	99
2	✓			256	258	258	258	253	249	252	268	294	314	312	299	256	220	206	208	217	227	237	239	245	247	250	255	253	0	9 30	320	14 33	204	116
3				257	255	253	250	248	246	247	258	282	289	295	279	249	216	193	187	199	206	218	218	245	258	265	261	245	0	10 20	300	15 00	185	115
4	✓			278	268	260	257	254	254	257	257	279	300	311	296	269	248	227	217	223	222	227	236	239	248	253	260	256	0	10 26	314	15 33	215	99
5				266	260	257	263	265	258	258	266	286	297	292	267	246	226	221	223	227	226	228	229	243	248	252	273	253	0	9 57	302	14 36	217	85
6	✓	✓		259	259	257	255	253	254	258	278	300	308	298	279	254	233	225	226	233	232	234	237	239	242	246	247	254	0	9 30	312	14 55	222	90
7				247	247	247	246	245	245	248	266	288	294	277	251	226	213	216	217	229	239	240	241	244	247	248	247	246	0	8 34	307	13 49	207	100
8	✓			251	253	248	250	249	251	255	263	277	276	274	258	245	231	226	220	227	237	238	239	245	259	263	259	250	0	8 42	280	15 20	217	63
9				263	257	254	248	238	248	254	264	279	289	281	266	237	214	204	206	208	217	225	227	230	243	248	254	244	0	9 20	290	14 55	202	88
10				262	264	259	256	263	255	259	272	290	304	299	279	248	223	216	206	207	220	234	237	250	236	251	256	252	0	9 54	309	16 20	200	109
11				261	255	252	258	247	248	249	264	286	299	304	296	277	259	237	225	217	224	229	234	240	247	253	258	255	0	10 20	307	16 35	216	91
12				260	263	269	268	258	248	238	255	279	292	302	298	276	249	237	229	227	226	228	237	247	253	254	252	256	0	10 19	307	16 10	225	82
13				261	259	260	259	258	258	258	260	270	278	271	259	242	234	226	219	218	219	227	238	245	247	250	254	249	0	9 52	284	15 30	213	71
14			✓	268	258	248	272	254	227	274	274	275	284	288	264	240	235	226	217	221	224	223	234	221	247	265	275	251	1	9 43	323	5 10	196	127
15			✓	306	328	338	361	327	275	268	247	247	277	289	248	249	217	202	172	255	248	236	331	317	320	326	322	279	2	21 35	474	16 05	151	323
16				327	275	278	223	174	237	259	263	269	278	275	278	265	246	228	217	224	237	245	247	249	248	257	258	252	0	0 15	351	4 40	135	216
17				247	248	237	248	257	248	243	256	278	300	308	294	278	252	234	223	236	240	242	244	246	259	277	255	256	0	10 17	310	15 34	219	91
18	✓			257	248	246	247	248	253	257	268	282	296	290	281	260	238	224	215	224	230	239	240	245	248	249	250	251	0	9 23	300	15 10	214	86
19	✓	✓		250	249	248	248	248	250	258	269	288	301	300	284	258	235	219	218	227	231	237	237	238	238	240	241	250	0	9 46	308	15 00	216	92
20	✓			243	244	239	240	242	249	258	270	292	297	281	258	231	213	204	198	205	220	229	234	237	241	243	243	242	0	9 39	303	15 43	186	117
21				240	241	240	238	244	249	264	282	291	290	277	253	229	211	203	199	206	218	227	232	236	238	245	240	241	0	8 43	295	14 50	196	99
22				237	246	238	238	244	244	247	265	285	291	287	262	237	208	205	205	210	217	214	238	244	249	247	244	242	0	9 56	307	18 03	191	116
23				243	237	238	240	243	247	254	269	285	300	288	271	239	213	200	203	209	225	227	228	234	238	248	249	243	0	9 30	309	14 32	188	121
24	✓	✓		245	244	244	240	241	243	245	268	296	311	301	276	239	214	196	197	216	227	230	230	236	238	242	252	245	0	9 33	316	14 55	193	123
25	✓	✓		252	248	246	247	247	242	249	277	307	327	320	289	244	207	189	188	206	219	227	230	237	248	246	247	247	0	9 50	332	14 55	184	148
26			✓	246	245	246	245	247	248	254	276	323	347	337	300	247	206	177	164	162	185	219	185	216	271	272	269	245	1	9 15	352	15 41	137	215
27			✓	300	290	302	277	257	239	279	280	291	320	320	303	269	239	207	198	212	218	218	224	248	248	248	264	260	1	9 53	328	15 58	189	139
28			✓	256	256	256	239	225	234	112	194	291	287	266	264	240	243	224	205	216	229	244	239	238	248	254	252	238	1	10 05	334	6 38	47	287
29				263	257	256	254	253	259	277	295	313	319	310	280	245	206	186	185	202	218	249	239	230	250	248	256	252	0	9 15	326	15 20	175	151
30				258	250	245	248	252	253	266	284	300	307	306	292	259	222	207	206	214	225	227	222	227	235	266	249	251	1	10 04	312	15 20	205	107
31																																		
MEANS ALL DAYS				260	257	256	254	250	249	252	266	287	299	295	277	251	227	213	207	216	224	231	236	242	250	255	257	250						126
MEANS TEN DAYS ✲				255	252	250	250	249	250	254	268	290	303	299	282	252	228	214	210	219	227	233	236	240	246	248	251	250						103
MEANS FIVE DAYS † (G. M. T.)				249	248	247	247	247	247	252	271 271	296 301	310	304	285	253	225	210	208	220	227	232	234	239	243	245	249	249						
MEANS FIVE DAYS ‡ (G. M. T.)				290	281	286	271	247	249	239	256	285	303	300	276	249	228	207	191	213	221	228	243	248	267	273	276	255						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 111

DECLINATION

OCTOBER 1938

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	245	246	242	252	282	267	256	279	286	281	289	269	231	227	220	215	224	230	240	245	248	248	248	249	251	1	7	06	328	13 10	195	133
2				248	247	238	238	227	240	260	274	289	299	288	271	240	215	201	200	209	227	249	248	238	230	240	256	245	0	9	14	307	14 47	196	111
3				250	238	241	246	248	247	243	249	280	290	279	261	240	220	202	205	205	219	228	227	230	233	237	239	240	0	8	59	301	14 50	196	105
4				234	250	254	251	238	246	261	279	294	289	278	257	227	215	208	203	206	214	216	230	255	243	248	248	244	0	8	23	297	15 57	199	98
5	✓	✓		247	237	236	240	244	248	252	265	284	299	294	263	231	210	200	202	213	224	229	232	237	238	243	248	242	0	10	10	302	15 12	198	104
6				250	249	246	244	242	246	261	280	305	320	312	274	212	178	169	182	201	217	226	229	234	238	241	245	242	0	9	55	326	14 14	164	162
7			✓	248	252	248	243	244	245	251	266	283	296	288	262	223	184	152	142	150	180	196	188	209	294	290	336	236	1	21	46	363	15 10	133	230
8			✓	301	307	316	278	227	238	255	271	289	299	261	266	244	190	206	224	227	226	237	269	244	251	250	244	255	1	0	38	362	13 35	177	185
9				236	234	248	228	246	260	280	299	313	320	314	281	237	208	193	195	216	224	227	225	232	236	244	258	248	0	9	40	326	14 44	188	138
10				247	239	238	240	237	228	257	289	315	320	289	237	194	169	168	186	216	235	236	234	236	244	270	259	241	0	9	10	326	14 00	165	161
11				251	255	250	256	246	248	276	310	334	330	309	265	215	185	174	177	194	205	212	234	244	248	250	261	247	0	8	55	341	14 31	172	169
12	✓			259	257	259	251	248	257	271	298	322	331	314	277	227	196	188	196	209	220	227	227	232	236	238	239	249	0	9	17	333	14 08	186	147
13	✓			241	240	240	238	236	240	262	290	312	323	314	280	240	208	192	189	201	218	227	227	228	229	232	235	243	0	9	39	326	15 00	185	141
14	✓	✓		236	237	237	236	237	248	270	298	323	337	320	269	216	178	171	180	203	224	227	228	231	232	234	236	242	0	9	40	340	14 35	170	170
15	✓	✓		237	237	237	237	239	248	264	294	320	332	313	265	216	186	171	175	195	207	217	224	235	237	238	238	240	0	9	44	336	14 46	166	170
16				239	240	248	248	252	253	264	279	299	305	297	268	229	199	187	196	206	217	222	225	237	260	267	259	246	0	9	00	310	14 35	179	131
17				267	260	267	263	261	261	279	298	319	331	320	288	239	206	196	202	214	229	229	229	237	243	238	239	255	0	9	53	341	14 42	194	147
18	✓			234	238	237	238	238	247	258	283	301	312	296	267	232	206	190	192	199	216	226	227	229	232	236	248	241	0	9	30	315	14 30	187	128
19				244	240	240	238	239	240	248	268	292	310	306	281	241	208	195	199	214	223	227	229	237	239	238	243	243	0	9	39	320	14 28	193	127
20				243	239	242	237	234	237	248	269	283	302	297	265	227	196	178	186	196	209	221	235	240	238	240	241	238	1	9	48	310	14 32	168	142
21	✓	✓		238	239	235	217	236	253	267	282	306	310	300	266	227	196	188	195	206	218	223	231	257	245	238	238	242	0	8	49	313	14 11	186	127
22	✓			244	244	240	241	243	248	256	269	289	300	300	282	255	227	209	209	217	217	218	218	222	223	236	244	244	0	10	14	306	14 50	206	100
23				237	237	237	236	225	228	257	279	300	308	300	271	238	206	183	196	199	209	226	233	246	245	245	248	241	1	9	48	310	14 37	161	149
24				248	240	239	241	248	253	259	269	277	282	274	249	218	197	189	191	209	229	227	232	253	268	238	263	241	1	9	30	288	22 47	184	104
25			✓	257	250	247	238	242	255	274	269	262	289	302	280	249	214	196	196	198	215	217	226	286	276	254	261	248	1	20	46	326	16 20	188	138
26			✓	271	271	254	249	241	231	244	270	287	300	294	269	237	209	196	199	196	211	241	227	243	252	279	274	248	1	9	30	310	14 20	180	130
27				294	267	256	254	259	261	248	289	298	319	301	286	255	216	200	186	217	206	211	246	275	250	267	267	255	1	9	05	328	15 14	176	152
28				256	265	248	238	242	257	269	275	279	300	303	287	258	225	197	184	193	217	219	227	267	268	248	250	249	1	10	00	310	15 28	176	134
29				257	268	248	230	238	252	261	270	297	317	320	299	257	215	197	197	207	217	227	230	230	234	238	247	248	0	10	12	324	15 05	194	130
30	✓			240	221	231	239	246	243	257	279	297	300	305	296	251	208	185	177	196	216	227	230	232	233	236	244	241	0	10	35	309	15 02	175	134
31	✓	✓		239	237	237	237	238	246	260	282	300	312	319	300	242	203	183	185	199	216	226	227	227	228	234	234	242	0	10	18	324	14 47	176	148
MEANS ALL DAYS				250	248	246	243	243	247	260	280	298	308	300	273	234	203	190	192	204	217	225	230	240	244	246	251	245							140
MEANS TEN DAYS *				242	239	239	237	240	248	262	284	305	316	308	276	234	202	188	190	204	218	225	227	233	233	236	240	243							137
MEANS FIVE DAYS † (G. M. T.)				241	241	241	241	242	247	260	284 279	307 300	318	309	273	226	195	183	187	203	218	224	228	237	236	237	239	242							
MEANS FIVE DAYS ‡ (G. M. T.)				270	265	262	249	240	246	257	281	281	293	287	269	237	205	194	195	199	212	226	231	246	264	264	273	248							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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⊼ = NO RECORD

TABLE 112

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1938 — NOVEMBER 1938

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				235	235	234	234	236	240	256	273	288	296	294	276	244	214	196	196	205	215	223	226	234	238	256	233	241	0	9 46	300	14 50	194	106
2				236	238	236	237	239	250	266	279	292	298	289	266	227	200	186	186	197	211	225	228	228	229	237	247	239	0	9 50	301	15 01	184	117
3	✓	✓		252	236	234	235	237	244	261	282	291	292	281	247	205	175	168	182	206	220	227	224	227	234	237	238	235	0	9 10	299	14 10	175	124
4	✓			235	235	237	236	236	245	264	283	299	301	299	278	255	228	211	197	197	206	216	217	221	226	232	247	242	0	9 40	305	15 52	195	110
5	✓			250	248	245	239	228	242	267	283	295	299	290	266	227	185	167	175	196	209	218	219	225	228	242	246	237	0	9 22	303	14 20	165	138
6	✓			238	246	239	238	241	247	265	284	298	306	296	269	231	203	179	178	191	197	216	227	238	244	237	240	240	0	9 16	309	15 12	175	134
7				246	240	237	237	239	247	257	277	298	308	298	270	236	206	192	196	208	217	225	227	230	231	234	236	241	0	9 40	309	14 45	187	122
8			✓	238	243	246	247	247	247	258	288	311	313	299	253	188	157	158	161	168	175	207	218	242	259	279	278	237	1	8 35	317	13 54	153	164
9			✓	271	250	245	234	244	267	279	280	288	307	300	268	228	205	196	194	200	202	218	259	279	269	282	226	250	1	9 44	320	23 48	152	168
10				263	272	269	247	228	248	266	278	284	298	301	278	245	218	206	206	214	225	229	230	232	236	236	237	248	0	9 59	310	0 00	163	147
11	✓			237	237	237	239	239	247	258	284	311	331	329	306	266	219	185	175	182	196	213	220	233	234	246	252	245	0	10 00	334	15 27	173	161
12	✓	✓		246	245	239	241	245	248	264	283	302	320	325	305	265	221	187	182	192	211	222	224	229	234	235	236	246	0	10 30	331	15 09	179	152
13	✓	✓		238	238	239	238	239	243	253	268	296	316	307	287	253	214	192	192	204	215	227	231	231	234	236	239	243	0	10 44	323	15 00	185	138
14				240	241	240	241	243	247	256	273	281	285	285	275	249	217	194	192	203	213	224	229	231	233	235	245	240	1	9 40	292	15 00	190	102
15				254	260	266	265	258	260	249	265	275	275	278	265	238	227	230	233	231	234	240	238	234	235	237	236	249	0	8 13	295	13 49	225	70
16				239	239	239	235	234	223	255	281	303	309	303	285	260	231	207	205	207	224	235	237	235	234	235	235	245	1	9 47	314	16 10	203	111
17			✓	235	236	237	237	243	253	263	275	277	277	272	258	244	224	203	202	201	214	227	227	222	254	267	276	243	1	23 14	296	14 58	193	103
18				280	282	284	270	273	283	310	324	321	305	276	253	223	204	201	202	203	206	213	223	225	239	236	236	253	1	8 06	338	16 06	193	145
19				241	245	240	244	241	260	273	281	285	280	259	234	211	192	192	201	210	222	244	237	231	233	234	236	239	1	8 25	292	14 15	187	105
20				240	243	241	244	255	274	292	297	299	289	267	234	203	182	177	182	197	217	223	220	231	254	257	254	240	1	7 08	306	14 09	172	134
21			✓	255	251	244	244	251	261	273	285	296	296	281	261	235	213	197	198	199	214	253	245	263	257	286	249	250	1	21 57	307	16 58	179	128
22				262	273	249	255	244	241	277	299	316	319	307	287	267	244	214	212	212	221	231	233	252	243	254	244	256	1	9 57	327	14 58	206	121
23				243	244	244	250	250	264	285	314	340	326	297	266	235	211	192	190	209	211	222	223	223	226	254	255	249	0	9 33	347	15 30	178	169
24				248	250	244	245	251	255	268	285	304	306	289	259	224	192	177	177	207	206	224	243	241	252	267	270	245	0	9 08	312	15 35	169	143
25				280	279	271	263	279	272	275	277	294	306	302	273	241	226	201	192	199	206	213	216	224	234	234	243	250	0	9 50	313	15 10	187	126
26			✓	246	264	245	246	248	260	270	278	283	283	254	225	203	185	177	172	195	213	215	248	252	237	244	255	237	1	7 14	292	15 20	161	131
27				260	232	236	242	241	256	278	287	283	279	272	249	235	214	204	201	207	214	230	238	235	234	232	238	242	0	6 47	301	15 18	198	103
28	✓	✓		242	244	244	246	247	260	268	282	287	284	274	256	228	208	201	200	205	219	231	235	236	232	244	236	242	0	8 38	291	15 03	195	96
29	✓			235	235	237	243	250	261	282	302	313	312	281	255	226	202	194	191	201	215	232	232	230	232	235	235	243	0	9 26	318	15 28	188	130
30	✓	✓		234	230	230	232	236	246	265	286	299	289	277	246	217	194	179	180	194	214	225	230	230	231	232	234	235	0	8 25	308	15 00	174	134
31																																		
MEANS ALL DAYS				247	247	244	243	245	253	268	284	297	300	289	265	234	207	192	192	201	212	225	230	235	239	246	244	243						128
MEANS TEN DAYS ✲				241	239	238	239	240	248	265	284	299	305	296	272	237	205	186	185	197	210	223	226	230	233	238	240	241						132
MEANS FIVE DAYS † (G. M. T.)				237	237	238	239	243	250	264	280 283	295 298	300	293	268	234	202	185	187	200	216	226	229	231	233	237	237	240						
MEANS FIVE DAYS ‡ (G. M. T.)				267	262	257	250	246	259	282	294	291	295	281	253	220	197	186	185	193	204	224	239	252	255	272	257	247						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 113

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1938

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		236	235	236	236	245	255	265	287	303	304	294	264	231	205	189	186	198	221	230	223	224	225	228	233	240	0	8 55	307	14 46	180	127
2			✓	235	235	236	236	245	255	275	297	306	309	298	266	232	203	187	181	190	202	211	224	236	251	254	267	243	1	8 39	312	15 20	179	133
3			✓	276	292	292	307	310	272	307	304	316	316	292	261	233	208	192	190	204	222	227	236	239	243	247	262	260	1	8 55	326	14 29	183	143
4				275	280	292	321	307	294	299	306	293	287	272	245	224	214	202	202	214	225	232	235	233	235	238	235	257	0	3 54	344	14 50	199	145
5				235	235	232	225	223	242	262	283	297	296	276	237	212	200	192	194	210	225	234	248	266	262	245	241	240	0	8 50	303	14 25	189	114
6				247	249	242	244	245	255	266	294	304	287	266	237	212	199	183	186	201	215	221	222	224	227	233	237	237	0	8 20	308	14 50	180	128
7	✓			238	238	233	224	220	230	246	278	292	292	297	278	251	217	198	193	205	222	224	225	227	228	231	235	238	0	10 06	300	15 19	192	108
8	✓	✓		235	226	225	236	245	255	262	289	299	298	289	267	235	204	185	179	183	203	221	225	225	227	231	233	236	0	8 00	305	15 30	176	129
9				235	236	239	242	244	247	254	276	274	270	267	246	218	188	170	163	174	193	209	214	214	216	223	225	227	1	7 20	277	15 34	162	115
10			✓	235	260	277	258	264	258	272	290	307	322	297	260	227	204	185	186	199	207	235	241	237	245	287	306	252	1	22 55	352	15 03	180	172
11				263	267	266	304	236	262	286	308	346	368	333	298	256	217	193	186	204	207	228	227	229	235	236	235	258	1	9 17	372	15 12	183	189
12				239	236	238	235	236	241	256	277	306	308	304	292	257	230	202	194	199	212	227	237	246	245	237	244	246	0	9 18	321	15 38	189	132
13				246	238	239	240	248	256	264	267	288	298	299	279	247	215	193	181	191	201	219	238	236	237	239	238	242	0	10 26	309	15 12	178	131
14				246	241	235	218	243	246	257	265	278	298	296	288	274	247	223	205	205	204	203	222	220	242	257	256	245	0	9 52	308	17 56	196	112
15				261	256	244	247	267	268	277	284	292	292	291	273	238	213	196	197	205	209	221	225	226	235	247	240	246	0	8 05	306	14 40	194	112
16			✓	239	237	237	238	244	251	257	273	287	298	284	260	241	227	212	195	184	186	197	214	213	224	231	245	236	1	9 20	300	16 15	174	126
17				252	288	294	257	258	267	268	281	253	268	274	250	215	197	175	173	205	218	222	233	226	231	234	247	241	1	1 51	316	14 54	166	150
18			✓	247	259	259	254	246	267	282	287	281	271	267	255	243	236	218	207	226	225	226	242	242	256	266	271	251	1	22 03	323	15 40	203	120
19				303	319	322	313	255	279	284	298	309	304	277	254	222	200	179	175	196	208	206	206	215	224	247	258	252	1	1 06	358	15 03	168	190
20				277	285	291	278	277	258	256	264	277	283	278	267	253	227	206	201	206	216	213	217	221	236	238	257	249	1	0 43	318	15 24	197	121
21				267	275	267	258	266	257	246	257	280	296	289	268	235	203	174	175	193	205	222	239	232	231	249	243	243	0	9 40	301	15 03	166	135
22				241	241	242	243	245	250	267	278	308	310	303	268	246	214	184	176	201	226	218	238	229	226	231	236	243	1	8 55	326	15 35	161	165
23				249	267	265	261	266	267	272	286	293	296	287	268	239	215	196	193	203	206	216	221	225	237	244	242	246	0	9 42	297	15 20	192	105
24	✓	✓		243	243	243	242	242	241	236	227	238	244	236	233	228	219	215	223	229	232	220	215	223	225	232	234	232	0	9 20	246	19 10	213	33
25	✓			238	245	243	246	246	256	267	283	299	299	285	258	236	215	207	215	222	223	220	215	221	225	240	245	244	0	9 15	306	14 20	205	101
26	✓	✓		236	236	242	246	249	255	256	256	267	275	267	253	239	232	223	215	209	210	214	216	221	225	231	232	238	0	9 46	277	16 40	208	69
27	✓			237	240	237	238	242	246	252	262	280	290	278	255	233	224	216	213	210	213	214	216	223	227	233	235	238	0	9 20	294	16 20	207	87
28				237	237	237	237	244	246	257	258	267	279	278	257	234	223	219	221	222	223	219	223	220	232	241	246	240	0	9 50	288	20 09	216	72
29	✓			240	240	242	247	248	257	259	264	275	286	280	268	248	237	221	210	204	204	213	215	220	227	230	236	240	0	9 51	289	16 02	198	91
30	✓			239	244	246	247	248	249	249	252	257	275	277	268	254	241	234	218	211	204	207	216	220	227	236	238	240	0	10 29	282	17 45	198	84
31	✓	✓		256	257	245	245	244	246	256	249	262	271	274	264	244	217	199	199	195	190	203	215	217	224	226	233	235	0	10 00	278	17 30	186	92
MEANS ALL DAYS				248	253	253	252	252	256	265	277	288	293	284	262	237	216	199	195	203	212	218	225	227	233	240	245	243						120
MEANS TEN DAYS *				240	240	239	241	243	249	255	265	277	283	278	261	240	221	209	205	207	212	217	218	222	226	232	235	238						92
MEANS FIVE DAYS † (G. M. T.)				236	239	239	241	246	255	264	262 276	274 289	278	272	256	235	215	202	200	203	211	218	219	222	225	230	233	237						
MEANS FIVE DAYS ‡ (G. M. T.)				274	289	293	300	273	275	289	299	299	303	288	260	235	216	199	192	201	208	219	231	233	244	257	270	256						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
▽ = NO RECORD

TABLE 114

HORIZONTAL INTENSITY

23979 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1938 — JANUARY 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			698	693	695	696	704	701	709	708	702	693	680	692	690	689	692	695	696	697	703	705	709	704	704	705	698	1	20 05	712	10 29	677	35
2	✓			705	712	711	709	707	712	713	711	707	701	694	694	693	695	694	695	694	692	692	688	699	701	699	699	701	1	2 05	718	19 23	684	34
3	✓			694	697	698	700	700	706	713	708	691	682	670	666	673	688	694	706	698	697	699	703	708	708	712	711	697	1	23 03	721	11 13	663	58
4				695	687	690	697	697	704	707	710	701	691	691	692	701	716	718	722	701	702	704	701	706	715	697	664	700	1	21 52	735	23 34	655	80
5	✓	✓		676	679	681	699	717	695	686	677	666	659	655	660	669	662	672	682	685	672	678	690	695	695	690	690	680	0	4 16	726	10 28	652	74
6				691	691	691	693	696	703	706	706	707	704	696	694	696	706	709	713	715	708	700	702	703	708	699	699	702	0	16 20	720	0 00	690	30
7				701	725	698	702	703	703	702	707	705	693	690	687	692	693	696	694	693	694	691	689	692	692	692	700	697	1	1 31	753	23 13	684	69
8				705	698	725	722	702	707	694	691	691	697	675	650	663	678	672	672	669	664	665	673	676	676	676	677	684	0	3 03	733	11 40	636	97
9				679	680	683	685	689	698	699	705	703	703	677	669	662	667	673	681	680	681	679	681	683	688	697	691	685	0	8 10	707	12 46	655	52
10	✓	✓		689	689	693	693	698	700	707	711	703	696	692	690	699	714	711	706	703	694	688	689	691	694	695	693	697	0	13 51	717	18 27	687	30
11	✓	✓		695	695	696	696	700	704	710	709	705	704	695	686	681	682	686	697	709	705	699	695	698	700	698	703	698	0	24 00	719	13 00	680	39
12				713	707	708	704	703	703	709	723	731	732	726	718	718	721	726	717	702	707	707	707	705	704	708	705	713	0	15 14	733	16 30	695	38
13				698	693	685	685	691	693	684	683	663	652	645	627	614	612	623	628	649	647	649	662	670	677	675	680	662	1	0 00	703	13 57	596	107
14	✓	✓		678	668	681	671	676	678	675	674	676	677	667	658	667	677	680	682	677	678	682	683	682	684	684	684	677	1	2 27	694	11 35	655	39
15	✓			689	690	690	691	691	691	699	700	692	688	681	679	686	683	686	684	666	684	681	683	690	689	690	693	687	1	6 53	702	16 07	660	42
16			✓	697	700	693	696	699	699	692	689	682	688	696	701	708	709	709	702	707	701	691	702	700	707	703	704	699	1	16 40	725	8 59	677	48
17			✓	691	691	684	685	681	688	708	641	661	650	641	622	634	642	683	699	644	636	679	705	690	670	667	612	667	2	6 44	787	22 54	558	229
18				568	575	567	566	573	616	641	605	591	585	581	590	579	617	624	630	632	633	632	639	655	645	652	672	611	1	23 18	698	0 22	541	157
19				652	647	663	639	639	646	663	655	642	634	620	615	613	623	639	656	660	655	648	671	657	656	667	653	646	1	21 56	693	10 58	603	90
20				660	658	652	643	648	652	656	657	656	648	638	649	662	655	665	676	675	670	669	672	687	674	663	675	661	1	22 59	709	11 01	632	77
21				665	674	698	702	703	696	688	673	659	656	634	620	622	664	676	687	673	653	648	624	647	655	652	641	663	1	2 37	716	12 11	597	119
22			✓	646	666	661	658	665	667	661	659	670	658	679	706	720	742	775	633	745	712	550	449	454	451	507	521	636	2	14 26	931	19 35	430	501
23				503	520	541	551	556	566	579	588	577	562	551	565	581	590	597	608	614	617	627	628	634	634	626	628	585	1	21 14	638	0 25	464	174
24				631	639	640	646	659	651	653	651	641	632	626	642	659	680	673	641	643	645	653	644	646	654	651	654	648	1	14 03	688	10 30	623	65
25			✓	653	656	662	658	662	662	666	666	660	656	645	651	661	661	660	666	666	661	661	664	706	702	676	668	665	2	21 11	734	10 04	642	92
26			✓	645	669	617	530	437	420	500	414	397	415	445	467	495	510	527	549	560	565	569	601	600	621	638	646	535	2	1 57	700	8 08	371	329
27				629	625	628	628	622	626	629	628	622	619	613	617	625	631	626	628	629	643	652	660	658	658	660	671	634	1	23 35	678	10 49	610	68
28	✓			655	657	669	666	663	661	662	657	653	649	650	663	679	695	699	689	682	673	665	664	664	664	676	669	668	0	14 10	703	9 55	647	56
29				673	673	674	676	680	677	673	672	676	681	686	693	699	696	696	690	684	676	671	663	671	676	676	677	680	0	13 13	701	19 13	656	45
30	✓	✓		678	680	683	684	694	680	670	683	668	660	665	681	683	678	675	678	679	681	676	677	678	680	682	683	678	0	4 36	706	9 09	658	48
31				682	679	683	694	688	682	689	682	677	675	678	678	677	675	673	682	676	676	690	681	678	683	673	693	681	1	23 25	711	19 52	661	50
MEANS ALL DAYS				669	671	672	670	669	671	676	669	664	659	654	656	661	669	675	674	674	672	668	668	672	673	674	673	669						96
MEANS TEN DAYS ✲				686	686	690	690	695	693	694	694	686	681	675	677	682	686	689	691	689	687	686	688	691	692	693	693	688						46
MEANS FIVE DAYS † (G. M. T.)				694	692	694	696	696	697	703	691 704	684 702	679	675	675	680	683	685	689	691	686	685	687	689	691	690	691	689						
MEANS FIVE DAYS ‡ (G. M. T.)				607	616	607	592	574	583	611	575	614	613	621	629	644	653	671	650	664	655	630	624	630	630	63.8	630	623						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

Δ̄ = NO RECORD

TABLE 115

HORIZONTAL INTENSITY

23979 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1938

FEBRUARY 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				671	664	670	684	698	674	660	653	645	641	639	636	635	648	658	670	676	676	672	676	658	640	664	674	662	1	4	29 726	12	19 628	98
2				677	675	673	674	675	676	679	677	671	656	637	628	632	639	642	645	657	659	659	667	669	670	674	677	662	1	0	37 682	11	06 624	58
3				679	680	682	683	685	691	695	700	683	669	666	664	649	651	655	644	653	661	674	675	673	679	679	675	673	1	7	20 703	15	09 641	62
4				693	681	678	684	685	679	680	683	672	671	672	673	683	687	683	685	681	676	679	680	683	684	690	697	682	1	22	56 721	9	00 667	54
5	✓			681	680	688	689	684	684	687	688	678	675	654	653	653	659	674	685	685	682	682	687	695	688	694	685	680	0	20	32 699	10	38 650	49
6			✓	684	689	703	695	692	694	698	695	687	678	677	700	687	648	638	677	678	677	664	651	665	672	678	677	679	1	11	28 709	14	28 624	85
7				707	659	688	679	652	660	665	654	637	643	650	649	648	653	657	661	665	671	686	698	691	685	685	686	668	1	0	34 733	8	46 629	104
8			✓	675	670	668	672	676	683	687	687	673	666	665	665	667	672	678	678	683	691	697	699	709	705	711	720	683	1	20	50 736	1	40 660	76
9			✓	705	674	638	640	649	642	645	635	634	637	631	622	624	631	649	640	638	650	655	644	643	639	646	638	644	1	0	26 723	11	16 617	106
10			✓	659	681	672	661	659	676	686	678	658	658	651	609	609	624	635	632	655	663	670	670	666	659	657	659	656	1	20	18 694	12	06 587	107
11				662	666	662	661	661	665	664	666	665	653	652	641	648	642	644	624	632	618	631	648	653	655	657	659	651	1	7	37 671	17	33 611	60
12				656	663	668	659	659	664	664	655	649	651	655	660	670	673	658	666	672	660	672	675	676	678	663	670	664	0	21	18 683	8	30 647	36
13				674	676	676	677	679	682	683	686	686	686	688	694	684	675	677	681	683	676	672	673	681	689	683	681	681	1	21	31 698	17	10 667	31
14			✓	681	679	681	680	688	705	709	695	669	662	669	675	679	679	684	681	683	677	656	664	655	629	636	617	672	1	6	35 717	23	59 606	111
15	✓	✓		613	639	649	626	628	633	633	624	615	608	623	635	637	642	642	651	657	660	661	663	663	663	663	663	641	0	19	44 665	9	23 606	59
16	✓	✓		663	664	665	667	668	669	673	667	657	647	649	647	644	644	650	656	666	676	683	681	680	679	679	679	665	0	18	10 685	13	27 642	43
17	✓			678	677	677	677	679	679	681	684	679	664	656	657	660	665	662	667	666	672	680	684	687	688	688	689	675	0	23	42 690	11	15 656	34
18	✓			689	688	689	692	692	691	696	695	694	685	674	668	673	686	690	686	683	688	694	691	689	689	683	690	687	0	6	48 699	11	40 666	33
19	✓	✓		688	688	689	688	688	688	686	685	678	676	676	669	672	670	684	687	695	695	694	696	694	695	695	693	686	0	17	12 698	12	13 664	34
20	✓	✓		691	691	690	690	691	694	699	702	699	690	687	689	690	690	690	686	691	696	694	694	697	696	693	693	693	0	7	43 703	15	31 683	20
21	✓			692	692	692	694	695	696	701	700	694	682	682	684	686	680	682	693	699	697	697	698	698	700	700	697	693	0	17	10 706	13	43 678	28
22	✓	✓		698	697	697	697	696	697	700	703	701	695	693	696	705	713	715	712	707	700	698	697	697	698	698	701	700	0	14	00 715	10	24 691	24
23				697	695	695	693	696	697	701	702	698	688	701	724	727	728	720	716	698	694	690	700	699	687	676	669	700	1	13	19 733	24	00 664	69
24	✓			687	683	683	683	683	687	683	677	664	662	672	678	679	677	670	671	671	678	678	682	684	685	691	689	679	0	22	45 700	9	10 658	42
25				688	688	696	694	693	693	695	688	682	682	691	694	689	689	689	689	687	681	687	683	687	685	698	675	688	1	22	29 707	23	25 669	38
26				677	680	675	673	684	680	680	674	666	674	696	699	697	696	693	693	693	694	691	687	680	684	682	676	684	0	10	50 702	8	56 661	41
27				675	675	684	698	694	692	679	683	682	684	683	675	676	679	681	685	689	691	692	689	685	681	683	682	684	0	3	28 708	11	20 673	35
28				685	693	701	694	696	697	698	695	687	679	666	668	676	676	653	665	666	658	673	679	687	686	685	695	682	1	23	59 710	14	15 645	65
29																																		
30																																		
31																																		
MEANS ALL DAYS				679	678	680	679	679	681	682	680	672	666	666	666	667	668	670	672	675	676	678	680	680	678	680	679	675						57
MEANS TEN DAYS *				678	680	682	680	680	682	684	682	676	668	667	668	670	673	676	679	682	684	686	687	688	688	688	688	680						37
MEANS FIVE DAYS (G. M. T.) †				684	684	684	684	686	687	691	676 691	670 685	663	666	667	670	672	676	678	683	685	686	686	686	686	686	686	681						
MEANS FIVE DAYS (G. M. T.) ‡				669	664	662	653	650	655	659	651	664	660	659	654	653	651	657	662	667	672	668	666	668	661	666	662	660						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 116

HORIZONTAL INTENSITY

23979 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	705	700	700	696	703	695	698	686	664	664	664	664	655	654	644	660	661	665	671	673	663	668	671	665	675	1	0 02	711	14 19	633	78
2				686	683	675	676	684	686	689	681	664	652	657	658	657	655	657	658	653	659	674	682	687	688	692	690	673	0	23 50	698	16 44	647	51
3				692	692	690	691	693	693	687	684	677	669	656	648	653	659	660	671	679	684	686	689	690	691	686	687	679	0	4 40	696	11 10	646	50
4				685	686	693	695	694	696	699	698	690	683	678	672	674	683	686	689	689	691	689	692	697	696	695	695	689	0	6 36	701	11 50	670	31
5			✓	695	697	699	704	708	716	704	693	691	690	694	688	688	695	689	691	673	668	688	682	692	680	637	628	687	1	5 25	722	22 52	614	108
6				639	635	658	644	668	655	657	661	663	653	644	672	667	662	655	648	640	653	664	664	667	677	680	679	659	1	22 39	681	1 47	624	57
7				678	680	695	682	682	685	694	690	687	677	667	664	662	658	654	659	666	669	667	663	656	660	691	667	673	0	22 20	704	14 19	649	55
8	✓			663	671	676	680	681	684	685	684	681	680	678	670	663	658	661	662	665	669	676	678	679	680	679	680	674	0	6 10	686	13 25	657	29
9	✓			686	687	684	686	686	688	693	698	698	696	691	687	682	676	677	677	677	679	680	682	683	680	684	688	685	0	7 30	699	13 40	675	24
10	✓	✓		687	688	688	688	689	694	698	700	699	688	681	682	682	686	687	687	687	686	689	693	696	697	698	698	690	0	8 15	703	12 18	678	25
11				697	698	698	700	702	702	706	713	717	716	710	701	694	691	690	692	694	690	693	696	699	699	700	701	700	0	8 57	718	15 15	688	30
12				698	697	695	695	695	697	701	707	713	713	711	703	690	685	688	690	699	699	708	703	697	690	690	677	698	1	8 58	720	23 20	669	51
13	✓			688	691	693	694	697	696	699	704	698	692	688	682	683	681	678	676	678	682	689	690	690	690	693	695	689	0	7 17	706	15 46	675	31
14				697	697	697	699	700	698	693	688	695	699	696	687	687	685	681	668	672	670	673	682	677	686	686	689	688	1	4 24	701	15 40	661	40
15				692	691	691	690	696	697	696	686	675	670	665	659	658	663	662	663	673	681	677	666	685	679	682	684	678	1	4 27	699	14 55	653	46
16	✓	✓		687	687	683	687	690	687	685	683	675	669	663	661	668	677	682	682	683	685	691	690	692	693	693	691	683	0	22 30	693	11 10	660	33
17				687	689	691	693	696	693	690	687	680	669	667	674	685	690	692	686	687	692	692	694	696	695	694	694	688	0	4 48	698	9 59	664	34
18	✓	✓		689	692	694	694	694	695	693	690	681	673	670	666	662	664	675	688	691	694	698	701	701	702	701	702	688	0	23 14	703	12 50	661	42
19	✓	✓		702	701	703	703	702	702	703	702	694	684	681	681	684	690	694	696	698	701	702	701	702	702	703	702	697	0	3 20	705	10 20	680	25
20	✓	✓		701	701	700	702	704	706	706	704	696	688	684	691	697	698	698	698	699	703	707	706	706	707	705	705	700	0	21 03	708	10 39	684	24
21				704	705	705	706	707	706	704	701	691	686	686	687	688	687	690	695	700	703	708	712	710	700	697	700	699	0	19 30	715	10 25	684	31
22			✓	702	701	698	702	702	705	725	746	739	716	705	700	707	690	656	643	637	594	596	586	584	603	608	627	670	1	7 41	753	17 43	560	193
23			✓	622	628	643	658	662	656	656	633	629	657	658	657	650	627	612	637	640	631	655	665	670	671	670	668	648	1	22 49	675	14 48	607	68
24			✓	668	675	674	656	655	661	640	632	621	592	579	587	585	584	580	582	585	609	604	617	632	644	643	646	623	1	2 02	687	10 54	567	120
25				647	651	652	652	652	653	652	652	643	631	619	617	618	621	633	641	641	651	648	647	659	659	658	665	644	1	23 33	668	10 50	615	53
26				675	668	677	688	681	676	676	680	660	628	666	682	673	659	650	646	648	652	649	628	631	662	648	650	661	1	3 10	691	9 35	615	76
27				653	652	650	653	652	649	652	652	650	636	645	654	654	649	646	649	654	659	662	667	672	672	673	673	655	0	23 57	673	9 35	629	44
28				675	676	678	680	680	678	675	673	666	660	663	669	674	678	680	679	676	674	673	675	674	682	685	683	675	0	22 02	686	9 20	660	26
29				684	684	683	684	682	682	683	678	676	674	670	669	672	680	687	691	689	686	684	686	687	692	693	698	683	0	23 20	701	11 44	668	33
30	✓			696	699	690	675	677	677	675	673	678	684	686	685	679	673	675	678	676	681	683	686	688	687	688	689	682	0	2 25	704	13 21	671	33
31	✓			689	691	692	692	692	692	690	686	684	686	688	685	680	680	683	687	691	693	693	694	695	695	694	695	689	0	23 45	698	12 50	679	19
MEANS ALL DAYS				683	684	685	685	687	687	687	685	680	673	671	671	670	669	668	670	671	673	676	677	679	682	681	681	678						50
MEANS TEN DAYS ✲				689	691	690	690	691	692	693	692	688	684	681	679	678	678	681	683	684	687	691	692	693	693	694	694	688						28
MEANS FIVE DAYS † (G. M. T.)				698	699	699	701	702	702	702	696 701	689 696	680	676	676	679	683	687	690	692	694	697	698	699	700	700	700	694						
MEANS FIVE DAYS ‡ (G. M. T.)				652	654	660	657	664	662	659	652	669	664	660	659	657	650	636	643	639	633	643	645	648	653	646	647	652						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊠ = NO RECORD

TABLE 117

HORIZONTAL INTENSITY

APRIL 1938

23979 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			693	693	696	697	696	697	696	694	696	697	696	699	698	698	699	698	699	701	701	702	702	700	699	697	698	0	17 43	710	0 07	692	18
2	✓	✓		695	696	696	694	701	697	700	701	700	700	701	705	701	694	690	690	694	696	697	697	698	699	699	700	698	0	11 45	707	14 58	688	19
3				700	702	705	706	703	701	700	701	705	702	696	697	694	694	696	700	701	702	700	689	673	676	679	684	696	1	3 20	708	21 01	667	41
4	✓			688	689	689	692	696	697	700	707	709	699	688	677	668	668	676	679	676	670	665	671	677	684	686	686	685	1	8 25	710	19 01	662	48
5	✓	✓		687	689	690	689	688	689	687	690	691	694	690	684	674	675	674	674	676	683	688	690	692	693	694	694	686	0	23 18	695	12 39	670	25
6				694	694	696	698	698	699	699	704	705	698	690	675	668	667	669	673	646	631	652	669	678	671	675	676	680	1	8 19	706	17 43	625	81
7				677	677	677	678	684	693	694	703	699	683	671	671	658	659	661	670	670	679	684	678	662	660	659	669	676	1	7 17	706	13 26	648	58
8				671	674	677	679	677	677	680	685	684	681	674	658	652	657	663	671	677	679	676	676	683	683	682	682	675	0	7 40	687	12 14	649	38
9				681	689	686	683	683	683	684	691	693	692	687	683	678	677	677	679	681	674	679	680	697	688	668	678	683	1	20 42	711	22 05	662	49
10				681	682	685	696	689	685	684	687	694	695	693	693	689	687	684	683	682	681	676	672	668	671	675	676	684	0	3 37	699	20 43	666	33
11				682	683	682	681	684	684	688	694	701	705	700	691	685	684	680	675	678	680	693	689	690	692	693	690	688	1	9 20	706	15 35	670	36
12				686	672	679	675	673	682	685	697	705	707	704	692	683	675	669	661	660	662	662	670	680	672	675	678	679	1	9 10	709	15 41	656	53
13			✓	681	681	683	684	698	693	692	698	703	699	692	680	671	664	660	662	675	684	688	705	731	708	697	692	688	1	20 22	741	14 45	658	83
14			✓	684	689	690	687	682	674	662	693	701	677	654	665	656	619	633	630	657	652	662	665	660	644	646	660	664	1	8 23	710	13 08	593	117
15				665	654	662	665	667	661	657	654	657	654	656	664	650	652	654	665	671	670	665	666	660	661	664	679	661	1	23 50	690	12 32	644	46
16			✓	679	669	669	672	672	675	672	666	661	658	658	658	663	675	765	738	494	506	503	481	525	567	574	560	628	2	15 38	873	16 44	455	418
17			✓	543	546	564	563	570	561	573	576	579	580	581	583	591	591	591	603	617	622	629	639	631	634	646	643	594	1	22 15	654	0 21	538	116
18				646	646	643	645	641	641	635	626	620	603	610	621	622	629	624	627	639	641	657	660	662	661	657	661	638	1	24 00	679	9 37	599	80
19				672	662	666	675	678	668	653	659	645	633	631	632	630	623	629	643	654	661	661	665	666	666	666	664	654	1	3 58	683	13 28	620	63
20	✓			669	664	664	665	667	668	666	661	656	662	660	657	652	650	655	657	662	664	664	669	672	672	680	676	664	0	22 37	690	13 20	647	43
21	✓			668	671	669	671	668	669	671	671	673	666	653	647	649	643	641	647	646	659	667	670	673	669	669	668	662	0	20 25	675	14 33	640	35
22				673	675	676	689	682	679	676	675	673	664	660	659	656	652	648	650	655	654	657	661	667	666	673	674	666	1	3 40	695	14 20	646	49
23			✓	679	682	682	685	681	670	669	673	676	674	671	668	666	660	654	647	624	619	612	610	615	602	606	622	652	1	4 02	697	19 20	595	102
24				623	656	641	657	657	649	639	644	640	637	633	628	637	638	637	645	653	653	653	654	658	657	660	659	646	1	3 56	676	0 29	616	60
25				660	664	663	666	670	672	674	676	676	675	666	647	641	640	644	648	650	647	648	665	660	661	668	672	661	1	9 35	679	13 50	636	43
26				672	664	670	667	667	669	670	675	675	670	660	652	650	645	642	646	655	663	662	677	669	669	678	668	664	0	19 34	685	14 20	642	43
27	✓			676	677	681	685	686	688	690	690	687	679	673	669	674	671	669	671	679	682	684	685	684	685	686	687	681	0	7 10	693	13 49	664	29
28	✓	✓		687	686	686	686	687	689	690	691	690	687	680	674	677	674	669	671	677	679	679	683	684	684	684	685	682	0	7 57	693	15 00	667	26
29	✓	✓		685	687	689	689	691	692	694	695	691	684	680	676	672	663	660	669	680	688	691	692	693	692	691	692	685	0	7 24	695	14 24	657	38
30	✓	✓		692	693	694	696	699	701	700	705	705	700	692	685	681	675	673	679	688	690	694	694	695	690	689	685	691	0	8 00	707	13 56	672	35
31																																		
MEANS ALL DAYS				673	674	675	677	678	677	676	679	680	675	670	666	663	660	663	665	661	662	665	667	670	669	671	672	670						64
MEANS TEN DAYS ✲				684	684	685	686	688	689	689	690	690	687	681	677	675	671	671	674	678	681	683	685	687	687	688	687	683						32
MEANS FIVE DAYS † (G. M. T.)				689	691	694	695	695	696	697	696 700	695 701	693	689	685	681	676	673	677	683	687	690	691	692	692	691	691	689						
MEANS FIVE DAYS ‡ (G. M. T.)				632	638	640	643	643	637	633	639	664	658	651	651	649	642	661	656	613	617	619	620	632	631	634	635	639						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 118

HORIZONTAL INTENSITY

23979 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1938 | MAY 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1	✓	✓		676	680	685	684	686	687	691	696	699	702	699	692	683	671	664	670	676	683	685	689	692	693	695	696	686	0	9 50	703	14 20	663	40
2				696	699	701	699	695	698	700	707	706	700	687	667	668	667	666	672	673	676	672	666	665	680	672	676	684	0	7 13	708	11 38	662	46
3				680	681	685	687	689	690	692	698	703	704	700	695	674	652	642	650	653	650	644	641	653	661	666	668	673	1	8 54	705	14 14	638	67
4			✓	660	665	663	661	661	660	668	679	681	672	659	645	635	627	624	614	626	645	657	667	666	657	632	634	652	1	8 48	683	15 42	611	72
5				640	655	661	663	667	668	666	682	692	687	665	648	651	651	649	649	658	667	666	670	671	670	669	663	664	1	9 07	695	0 00	625	70
6				656	657	662	678	660	664	663	661	671	674	666	654	642	641	641	654	668	671	680	680	679	677	670	670	664	1	20 44	686	13 56	631	55
7	✓			674	677	678	678	678	680	682	684	681	675	664	656	652	651	655	661	664	671	677	677	677	678	680	687	672	0	23 50	694	13 30	650	44
8	✓	✓		690	676	678	680	681	683	687	690	689	682	676	672	675	671	672	678	686	691	693	694	691	686	691	691	683	0	0 13	701	13 45	667	34
9	✓			690	690	687	688	689	688	692	694	695	693	686	677	674	673	673	676	682	687	689	691	692	691	691	692	687	0	24 00	696	14 00	671	25
10				695	697	698	696	698	696	689	689	694	687	685	680	677	661	657	671	680	687	688	691	688	686	687	686	686	0	4 40	700	14 00	653	47
11			✓	688	687	688	692	692	693	694	698	702	704	691	688	692	683	678	680	682	686	685	689	687	690	691	696	690	1	23 57	729	13 57	675	54
12			✓	697	701	738	635	635	614	569	507	526	542	531	526	523	495	486	508	529	543	560	572	584	588	598	580	575	1	2 13	810	13 55	469	341
13				582	587	587	597	613	619	625	617	628	628	619	605	596	590	594	610	626	634	635	635	633	637	636	636	615	0	8 58	639	0 15	579	60
14			✓	640	642	644	646	649	652	655	654	651	635	618	620	630	621	616	623	629	639	636	592	585	590	598	607	628	1	6 48	658	20 59	577	81
15				620	625	636	646	643	655	654	645	629	619	617	600	578	594	614	624	638	648	650	654	645	637	645	648	632	1	5 48	663	12 54	558	105
16				662	660	655	655	658	663	665	667	661	652	639	626	609	607	608	619	629	633	634	630	638	652	653	645	642	1	7 11	669	13 50	603	66
17				652	655	661	669	666	662	667	668	657	654	653	650	649	649	625	629	645	656	664	664	664	663	663	663	656	1	3 43	673	14 56	609	64
18				671	675	673	680	670	667	666	673	681	684	678	673	661	656	655	652	658	663	662	664	668	668	671	672	668	0	9 45	686	15 10	646	40
19	✓			673	674	676	675	674	673	675	681	689	689	685	676	673	668	660	659	663	668	668	666	668	669	670	671	673	0	8 48	691	15 09	657	34
20	✓	✓		679	678	677	678	681	679	679	681	681	678	668	658	657	661	662	666	671	678	680	682	680	678	679	679	675	0	19 37	683	12 23	656	27
21	✓			678	679	681	682	682	684	683	687	689	684	678	671	667	668	664	665	675	684	686	684	687	687	684	684	680	0	17 37	691	14 23	661	30
22				685	686	686	687	690	693	693	697	702	703	697	686	676	671	669	674	678	683	680	680	681	679	681	681	685	0	9 05	705	13 45	667	38
23	✓	✓		677	683	686	689	687	688	690	695	697	697	695	690	686	686	683	681	686	693	693	691	691	691	693	694	689	0	8 45	698	0 02	675	23
24				694	696	696	696	697	698	698	705	712	709	702	694	689	686	676	673	678	688	695	695	698	691	686	688	693	0	8 40	714	15 40	672	42
25				695	690	677	683	692	690	694	704	718	716	705	706	695	698	696	692	689	686	685	688	691	694	693	692	695	1	8 46	721	17 30	681	40
26	✓	✓		689	689	692	691	694	696	689	695	699	697	697	690	680	667	656	660	668	676	679	681	681	681	683	684	684	0	8 48	701	14 27	654	47
27				688	688	688	689	690	692	695	700	707	709	699	683	672	667	664	665	677	686	688	690	688	688	688	688	687	0	9 42	711	15 00	663	48
28				687	689	693	690	693	695	695	698	701	702	697	692	694	692	676	649	668	684	690	692	690	688	693	693	689	1	9 40	704	15 41	641	63
29			✓	686	686	689	694	694	685	692	693	693	689	681	676	665	651	640	626	615	623	617	603	601	605	615	612	655	1	8 37	695	21 45	582	113
30				617	627	643	648	655	661	668	665	669	663	663	661	657	655	652	645	637	641	641	640	637	627	639	650	648	1	7 59	673	0 44	612	61
31	✓			655	659	666	670	680	676	676	681	682	682	682	678	676	671	664	655	657	668	673	674	674	671	673	668	671	0	9 40	684	15 44	651	33
MEANS ALL DAYS				670	672	675	674	675	676	676	677	680	678	670	662	657	652	648	650	657	664	666	666	666	666	667	668	667						62
MEANS TEN DAYS ✲				678	678	681	682	683	683	684	688	690	688	683	676	672	669	665	667	673	680	682	683	683	682	684	685	680						34
MEANS FIVE DAYS † (G. M. T.)				689	690	691	691	691	692	694	691 699	693 702	691	687	680	676	671	667	671	677	684	686	687	687	686	688	689	686						
MEANS FIVE DAYS ‡ (G. M. T.)				631	639	653	638	643	643	636	623	651	648	636	631	629	615	609	610	616	627	631	625	625	626	627	626	631						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧍ = NO RECORD

TABLE 119

HORIZONTAL INTENSITY

JUNE 1938 — 23979 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — JUNE 1938

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				664	672	682	690	686	685	686	690	694	695	686	683	679	673	669	664	664	677	686	686	684	682	681	681	681	0	9 29	697	16 00	658	39
2			✓	682	684	686	688	683	685	687	694	700	705	699	694	694	691	678	679	685	688	685	682	678	679	679	676	687	0	9 14	706	23 30	674	32
3				678	682	677	680	687	687	673	674	686	694	691	687	680	673	674	670	667	672	672	676	678	678	679	680	679	0	5 10	697	16 29	665	32
4	✓	✓		681	682	682	682	681	678	677	682	690	695	690	684	689	692	693	689	687	685	681	685	688	688	687	688	686	0	9 20	696	6 12	675	21
5				688	687	689	690	691	693	693	696	695	684	670	672	678	678	679	680	687	688	689	693	688	689	690	692	687	0	8 05	698	10 38	667	31
6				691	692	693	695	696	696	696	698	699	697	694	690	691	691	688	685	687	690	693	695	696	694	691	682	692	0	7 53	699	23 22	680	19
7				685	687	690	690	693	695	695	700	703	698	689	679	678	680	684	687	691	692	691	689	690	689	687	688	690	0	8 36	704	11 38	676	28
8			✓	689	688	690	692	694	695	722	726	713	702	702	698	675	667	659	673	683	679	687	689	684	678	678	678	689	1	7 30	729	14 30	651	78
9				683	686	688	699	699	698	687	686	685	685	684	684	684	691	688	691	698	695	696	698	696	694	696	697	691	0	3 57	710	0 24	680	30
10				701	704	703	703	704	703	703	704	709	709	705	697	687	683	682	686	690	676	668	669	668	672	673	675	691	1	9 27	712	18 00	661	51
11			✓	676	675	681	684	687	696	694	691	693	685	681	678	668	656	647	657	667	670	670	675	685	682	673	680	677	1	5 44	700	14 13	642	58
12			✓	684	678	679	677	682	681	684	684	676	681	668	660	651	638	638	640	641	639	638	658	668	670	672	672	665	1	0 34	691	13 53	628	63
13			✓	674	677	688	717	701	687	688	696	698	696	689	665	659	648	647	638	627	640	645	653	668	660	664	671	671	1	3 47	741	16 33	611	130
14				677	665	670	668	671	676	674	681	690	689	689	685	675	661	656	656	666	675	680	680	681	679	679	679	675	1	8 08	696	15 00	652	44
15				682	682	683	685	686	686	688	693	□													□	687	687		0	□				□
16	✓			687	689	690	689	689	689	690	691	691	688	684	681	675	673	672	673	664	669	670	677	677	678	673	673	680	0	8 00	693	16 35	661	32
17				675	683	683	685	684	685	688	699	702	702	700	703	696	690	683	678	681	686	687	689	687	685	685	686	688	0	11 18	705	0 00	671	34
18	✓			686	688	686	693	691	690	690	693	692	685	682	681	679	679	679	679	675	682	688	690	692	693	692	692	687	0	3 27	699	16 30	671	28
19				692	694	694	695	696	696	697	702	703	701	695	696	694	692	689	695	701	706	705	704	704	702	702	707	698	0	23 57	708	15 53	686	22
20	✓			709	701	703	703	701	701	702	705	709	709	705	702	702	698	695	696	702	704	703	702	702	701	701	701	702	0	0 32	713	14 31	693	20
21				701	701	702	705	710	712	714	718	716	711	698	691	677	675	666	665	672	673	674	664	668	669	675	680	689	1	7 18	721	19 50	658	63
22				679	680	684	688	690	689	690	694	699	700	698	690	672	676	668	672	679	678	684	688	686	687	688	689	685	0	9 59	702	14 20	663	39
23	✓	✓		688	688	688	689	689	690	692	696	699	701	700	695	687	678	675	676	681	686	689	690	690	691	692	692	689	0	10 16	702	14 32	674	28
24	✓			692	693	692	692	692	692	694	695	692	688	685	679	673	672	676	684	697	702	703	701	701	699	696	695	691	0	18 33	705	13 00	671	34
25	✓			697	698	700	704	702	699	698	702	703	695	692	688	682	678	677	680	690	698	700	700	695	687	690	694	694	0	3 35	706	14 00	675	31
26	✓			696	696	696	698	701	703	702	705	705	705	702	700	696	687	682	687	693	704	703	701	698	696	693	694	698	0	18 04	706	13 50	681	25
27	✓	✓		693	696	697	698	702	703	702	703	703	699	696	687	680	670	673	677	683	692	691	695	696	696	696	696	693	0	8 20	704	13 25	668	36
28	✓	✓		695	695	697	698	698	698	701	705	709	709	706	696	689	682	679	682	690	699	698	698	697	696	696	697	696	0	9 21	710	14 23	677	33
29				699	699	698	702	700	698	699	702	708	709	710	707	700	691	679	679	689	696	700	701	699	695	691	686	697	0	10 30	711	15 18	676	35
30				684	680	686	698	688	692	691	699	707	714	715	704	700	694	694	692	685	687	693	688	685	686	687	690	693	0	10 10	717	2 15	676	41
31																																		
MEANS ALL DAYS a)				687	688	689	693	693	693	693	697	699	698	693	688	682	678	675	676	680	684	685	687	687	686	686	687	688						a) 40
MEANS TEN DAYS ✲				692	693	693	695	695	694	695	698	699	697	694	689	685	681	680	682	686	692	693	694	694	692	692	692	692						29
MEANS FOUR DAYS b) (G. M. T.) †				694	694	694	696	695	695	697	696 700	700 701	701	698	690	686	680	680	681	685	690	690	692	693	693	693	693	692						
MEANS FIVE DAYS (G. M. T.) ‡				679	678	680	688	688	686	681	684	696	694	688	679	669	660	654	657	661	663	665	671	677	674	673	675	676						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete day June 15 b) Omitting incomplete Greenwich day June 15

TABLE 120

HORIZONTAL INTENSITY

JULY 1938 — 23979 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — JULY 1938

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				692	695	697	698	699	700	702	706	705	702	703	698	680	675	684	680	655	638	639	640	636	650	660	668	679	1	11	08 707	20	00 632	75
2				674	689	680	683	675	678	674	675	691	699	695	693	679	654	659	660	671	666	666	673	669	678	678	681	677	0	9	57 702	13	30 650	52
3	✓	✓		682	683	683	684	687	689	693	694	697	695	694	694	688	680	681	686	686	691	692	694	695	695	694	695	690	0	8	50 698	13	22 675	23
4			✓	695	693	694	696	696	699	702	704	705	706	695	680	667	658	657	651	653	653	647	639	635	622	636	656	672	1	9	10 707	21	51 611	96
5				664	669	677	683	679	704	674	678	694	701	705	705	693	678	671	666	665	673	677	683	677	660	657	662	679	1	5	25 728	22	02 644	84
6				670	674	680	678	679	682	684	694	706	712	711	697	671	658	656	655	656	665	671	671	661	658	664	670	676	1	10	00 718	15	01 652	66
7	✓			669	672	676	673	672	674	676	681	685	688	680	672	668	663	669	672	677	684	685	688	685	684	687	687	678	0	22	15 689	13	24 661	28
8				685	687	686	686	687	688	684	685	689	686	677	670	665	664	657	651	666	680	678	678	669	667	672	673	676	0	8	35 690	15	35 650	40
9				676	675	678	681	682	684	686	691	696	695	693	689	689	679	674	680	690	693	691	690	688	686	685	686	686	0	8	45 699	14	34 673	26
10			✓	690	687	685	688	705	711	710	720	702	696	681	670	653	643	639	646	656	665	674	675	671	666	666	677	678	1	7	23 728	14	45 632	96
11				681	675	686	688	683	678	676	674	672	677	673	667	660	660	667	672	676	686	691	695	695	695	693	693	680	0	2	57 722	12	56 657	65
12				692	692	694	695	695	696	699	704	702	699	695	691	682	681	679	678	683	691	694	694	694	695	698	699	693	0	7	50 706	15	37 675	31
13				701	699	700	701	702	705	707	710	717	719	716	709	694	686	690	692	694	703	703	701	700	697	693	692	701	0	9	00 722	13	07 683	39
14				694	696	696	699	710	713	708	713	723	708	689	681	673	671	663	661	667	674	677	675	667	663	674	675	686	0	7	55 725	21	14 658	67
15			✓	670	674	682	681	678	677	675	683	691	697	697	698	692	683	683	675	639	633	624	623	630	606	631	615	664	1	11	57 702	21	42 595	107
16			✓	620	631	648	647	628	629	600	604	589	599	615	625	621	623	630	626	615	599	611	621	631	626	634	638	621	1	2	03 668	8	24 585	83
17				638	645	645	649	640	642	652	663	673	680	674	669	656	652	646	652	654	660	663	667	667	667	668	667	658	0	9	17 682	2	53 633	49
18	✓			667	668	668	668	669	671	674	677	677	677	677	676	673	660	652	658	665	672	677	675	674	674	674	675	671	0	24	00 680	14	06 652	28
19				677	677	678	678	680	682	684	688	680	679	682	673	665	663	659	658	666	665	658	666	662	668	676	675	672	0	7	36 689	18	56 654	35
20				677	679	680	680	680	683	688	694	701	700	697	688	684	670	659	656	662	675	680	681	678	679	681	680	680	0	8	45 702	15	03 652	50
21				680	682	684	684	683	684	689	695	695	692	679	679	675	667	665	670	677	682	684	684	688	683	679	678	682	0	8	10 699	14	05 662	37
22	✓			680	684	682	681	682	683	687	693	698	699	699	698	694	686	676	679	684	687	689	688	688	687	684	681	687	0	11	15 701	14	56 670	31
23	✓			679	682	683	684	685	685	686	690	693	695	690	677	670	661	656	659	670	680	685	688	690	687	688	688	681	0	9	18 696	14	02 656	40
24	✓			686	688	687	690	688	687	693	701	703	705	703	701	695	687	684	684	684	691	692	690	685	682	682	682	690	0	9	54 707	23	53 680	27
25	✓	✓		682	689	693	697	699	695	702	707	710	704	701	696	690	685	689	691	691	694	695	695	695	693	692	692	695	0	8	18 712	0	09 680	32
26	✓	✓		689	690	690	691	693	694	694	698	703	700	691	681	677	676	678	683	687	689	691	689	682	677	675	673	687	0	8	45 703	23	02 672	31
27	✓	✓		677	680	686	687	687	689	692	697	702	703	702	696	692	681	671	672	681	690	694	694	693	691	690	697	689	0	9	40 704	14	52 667	37
28	✓	✓		697	699	700	701	702	702	707	710	713	714	711	709	701	684	675	672	679	691	697	698	697	698	698	698	698	0	9	10 715	15	03 672	43
29				698	698	698	701	703	704	707	712	715	722	721	714	701	691	692	695	698	701	700	697	686	681	684	689	700	0	9	40 722	22	00 678	44
30			✓	691	690	690	697	700	700	706	719	717	711	699	692	691	655	615	572	580	585	587	601	632	632	631	638	660	1	8	18 720	15	20 554	166
31				638	641	643	646	645	648	660	663	662	655	649	637	633	632	633	645	653	661	663	663	666	666	665	665	651	0	20	24 667	14	10 630	37
MEANS ALL DAYS				678	680	682	684	684	686	686	691	694	694	690	685	677	668	665	664	667	672	673	675	674	671	674	676	679						54
MEANS TEN DAYS ✲				681	684	685	686	686	687	690	695	698	698	695	690	685	676	673	676	680	687	690	690	688	687	686	687	687						32
MEANS FIVE DAYS † (G. M. T.)				691	692	694	695	696	698	700	701 704	705 708	703	700	695	690	681	679	681	685	691	694	694	692	691	690	691	693						
MEANS FIVE DAYS ‡ (G. M. T.)				648	652	660	663	655	660	652	656	681	682	677	673	665	652	645	634	629	627	629	632	640	630	640	645	651						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 121

HORIZONTAL INTENSITY

AUGUST 1938 — AUGUST 1938

23979 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				667	667	669	671	673	677	682	689	694	694	687	679	674	660	647	656	686	689	679	672	669	661	656	652	673	1	8	40 696	14	45 643	53
2				670	677	667	668	673	690	676	676	692	681	663	633	639	650	637	632	642	661	666	666	662	662	655	657	662	1	5	18 699	11	53 616	83
3			✓	658	656	663	671	672	677	669	680	684	676	683	685	680	672	664	658	670	678	680	680	679	679	680	681	674	1	8	20 689	15	13 652	37
4			✓	685	690	690	690	686	701	746	712	699	683	671	656	647	642	623	632	602	591	592	611	622	645	625	634	657	1	6	22 764	14	27 575	189
5				647	638	641	653	653	655	666	664	661	665	650	633	629	630	636	631	634	651	652	650	641	651	650	638	647	1	6	51 671	12	56 626	45
6				638	643	649	663	675	668	670	677	677	682	683	666	661	661	659	660	658	667	664	666	668	672	673	671	665	1	10	20 688	0	31 632	56
7				678	677	676	675	676	677	675	681	691	696	694	685	663	662	662	658	661	666	669	673	676	675	676	673	675	1	9	30 697	15	50 652	45
8				662	672	686	687	685	686	690	693	697	698	692	681	670	665	676	673	673	687	689	685	681	681	681	682	682	0	8	50 699	0	21 657	42
9	✓			684	685	685	686	689	690	692	695	705	709	702	693	683	674	666	671	683	693	695	696	695	693	692	690	689	0	9	10 709	14	25 664	45
10				690	692	693	694	696	697	699	706	706	701	694	695	691	697	675	671	682	689	695	695	698	695	694	693	693	1	11	27 708	15	09 663	45
11			✓	697	694	691	692	694	695	700	702	698	700	702	702	703	703	694	694	689	674	635	587	608	568	565	586	670	1	13	05 711	19	54 555	156
12				618	618	627	629	633	644	644	648	658	658	661	662	674	668	659	654	661	663	665	670	667	668	670	668	654	1	19	13 680	0	00 604	76
13				670	667	670	671	674	678	679	679	678	677	683	683	682	672	657	659	667	675	682	683	682	678	675	676	675	0	11	55 691	15	28 649	42
14				676	677	680	681	685	689	694	699	703	703	697	685	677	671	669	669	678	690	693	695	695	688	685	683	686	0	9	14 704	15	24 667	37
15	✓	✓		684	686	684	685	685	688	691	698	704	702	694	687	683	676	669	667	671	682	689	689	689	689	690	689	686	0	8	51 704	14	49 665	39
16	✓	✓		689	691	693	693	695	696	699	704	710	712	704	692	680	674	677	684	692	698	700	701	701	700	701	701	695	0	9	00 713	13	14 674	39
17	✓			701	702	702	703	704	708	711	717	718	709	697	690	692	690	688	691	695	702	703	701	698	690	682	686	699	0	8	03 719	23	03 679	40
18	✓	✓		692	693	693	693	695	697	700	708	713	713	706	702	696	687	681	683	689	699	703	703	700	699	697	696	697	0	8	57 714	14	33 680	34
19	✓			699	701	703	708	708	712	715	718	715	708	701	694	688	682	682	690	696	697	701	701	698	695	695	695	700	0	7	25 719	14	45 678	41
20	✓	✓		691	694	694	698	701	702	704	708	711	711	704	695	688	673	665	677	691	701	705	705	707	709	709	709	698	0	9	06 712	14	20 662	50
21				708	707	707	707	713	714	716	720	720	718	715	711	702	692	684	684	696	709	713	712	704	699	702	704	707	0	7	27 720	15	03 680	40
22			✓	702	721	712	700	691	692	696	704	716	724	725	718	709	695	681	678	681	690	695	698	699	700	713	698	702	0	21	55 733	15	23 677	56
23			✓	693	705	712	703	699	715	722	725	727	721	715	709	708	697	679	667	664	637	654	682	687	689	682	683	695	1	8	27 731	17	23 624	107
24				682	681	684	684	687	687	692	698	705	702	694	690	679	676	675	674	682	688	694	696	691	693	689	690	688	0	8	50 707	15	05 670	37
25				691	694	697	705	708	712	712	713	718	724	719	710	695	673	667	671	677	685	689	690	690	688	688	688	696	0	9	29 728	14	47 665	63
26	✓			688	689	692	702	698	699	700	704	712	716	713	702	698	696	689	686	691	696	699	697	697	697	698	698	698	0	9	41 717	15	00 683	34
27	✓	✓		697	697	699	702	704	706	707	710	715	715	710	702	694	682	674	677	685	692	701	704	703	702	701	701	699	0	8	52 716	14	36 673	43
28				702	703	705	706	706	709	712	721	725	720	712	710	703	700	698	697	700	704	708	709	709	706	709	714	708	0	8	40 727	14	59 696	31
29				714	714	718	720	722	717	722	726	728	726	720	719	712	697	682	687	697	699	707	704	702	705	703	701	710	0	8	10 730	14	29 674	56
30				702	701	719	712	709	705	709	712	710	708	710	697	681	690	686	678	679	684	688	688	690	688	688	693	697	0	2	19 731	16	11 674	57
31	✓			696	697	707	707	698	699	704	713	715	716	708	701	688	674	666	668	673	679	684	690	697	695	695	694	694	0	9	08 718	15	08 663	55
MEANS ALL DAYS				683	685	687	689	690	693	697	700	703	702	697	689	683	677	670	670	676	681	684	684	684	683	681	681	686						57
MEANS TEN DAYS ✲				692	694	695	698	698	700	702	708	712	711	704	696	689	681	676	679	687	694	698	699	698	697	696	696	696						42
MEANS FIVE DAYS † (G. M. T.)				700	701	702	703	705	708	711	706 716	711 718	711	704	696	688	678	673	678	686	694	700	700	700	700	700	699	698						
MEANS FIVE DAYS ‡ (G. M. T.)				665	666	671	672	672	680	694	689	705	701	699	694	689	682	668	666	661	654	651	652	659	656	653	656	673						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 122

HORIZONTAL INTENSITY

23979 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1938 — SEPTEMBER 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		694	695	697	699	701	702	707	713	715	717	713	706	693	687	685	685	681	689	693	696	698	698	697	696	698	0	9 43	718	16 23	680	38
2	✓			699	701	698	699	704	709	713	719	722	723	715	702	689	680	675	680	692	703	709	711	708	705	703	705	703	0	9 23	724	14 20	674	50
3				707	705	705	707	711	718	721	723	722	720	718	708	694	681	676	675	678	670	673	655	644	660	670	677	692	0	7 35	724	20 08	640	84
4	✓			695	696	688	689	691	694	702	705	715	720	722	715	701	693	686	685	688	695	696	697	700	699	697	696	699	0	10 42	724	15 35	683	41
5				699	701	702	700	699	700	705	711	710	719	713	702	694	688	688	690	694	694	688	688	695	701	688	680	698	0	9 30	720	23 53	677	43
6	✓	✓		675	685	688	689	690	694	699	703	703	705	706	702	695	695	694	694	696	700	703	705	703	703	703	704	697	0	10 14	708	0 46	670	38
7				705	705	710	712	716	718	720	725	722	715	715	715	711	694	693	692	694	697	698	703	702	701	698	700	707	0	6 54	729	15 47	689	40
8	✓			701	706	705	706	707	705	707	711	715	715	716	718	711	702	694	691	685	689	686	689	695	695	702	696	702	0	11 00	720	18 43	683	37
9				696	699	702	705	710	711	716	720	719	722	725	723	715	711	708	705	708	705	710	704	694	698	705	704	709	0	10 37	727	20 44	688	39
10				702	704	702	710	716	716	722	719	710	703	699	697	688	680	681	682	676	681	692	690	702	693	698	702	699	0	6 47	724	16 45	672	52
11				697	698	702	702	706	711	713	720	719	712	704	692	685	680	682	686	693	702	708	698	684	679	685	686	698	0	7 52	722	21 57	676	46
12				689	699	708	708	703	704	700	707	703	700	699	704	706	699	681	682	687	690	690	688	691	690	694	696	697	0	3 03	716	14 50	677	39
13				694	695	700	707	707	705	702	702	705	706	704	697	685	694	700	692	684	684	691	700	705	706	704	701	699	0	3 43	712	12 16	679	33
14			✓	706	707	717	721	711	720	719	720	716	709	697	653	662	670	661	655	655	660	667	670	662	673	676	663	686	1	2 41	758	11 24	643	115
15			✓	660	647	645	666	659	663	640	658	657	644	616	611	605	599	587	586	587	587	567	585	576	610	589	604	619	2	0 33	686	20 23	526	160
16				584	603	610	632	626	642	648	645	644	639	643	666	666	661	656	655	660	666	667	666	667	663	661	663	647	0	11 59	670	0 05	576	94
17				664	666	670	687	673	664	662	670	676	682	681	670	661	659	656	656	662	675	679	678	674	671	676	667	670	0	3 31	691	14 20	653	38
18	✓			667	670	673	676	679	678	680	682	682	684	679	676	670	667	662	665	676	681	682	681	683	677	676	681	676	0	9 05	684	14 52	659	25
19	✓	✓		682	683	682	683	685	686	687	691	690	689	693	694	686	677	678	678	680	686	687	689	690	688	689	690	686	0	11 20	697	13 40	674	23
20	✓			690	691	691	691	691	692	694	698	698	702	704	705	704	702	701	701	699	702	705	705	698	699	696	697	698	0	15 38	712	0 21	689	23
21				696	695	695	698	701	701	701	696	687	685	683	682	681	682	682	685	687	694	699	699	699	691	689	692	692	0	5 42	703	14 00	679	24
22				701	700	697	699	701	695	701	703	705	706	709	697	697	692	684	677	669	667	649	673	675	673	678	680	689	0	10 06	711	18 14	639	72
23				684	689	694	694	695	698	700	703	709	710	709	711	713	710	690	696	699	697	694	694	694	692	694	695	698	0	12 40	724	0 05	680	44
24	✓	✓		693	694	695	697	701	704	706	710	711	707	700	691	683	685	690	695	699	699	699	699	695	695	700	703	698	0	8 00	713	12 28	681	32
25	✓	✓		699	699	700	702	705	704	705	705	702	697	697	693	692	696	698	700	702	704	706	706	703	705	701	700	701	0	19 02	707	12 36	690	17
26			✓	699	701	701	701	706	707	712	718	719	705	691	674	663	664	679	700	675	660	640	623	617	635	618	623	676	1	8 37	724	20 20	607	117
27			✓	630	635	657	655	669	653	664	663	672	669	658	650	645	647	655	648	645	655	650	648	657	659	658	659	654	1	4 05	688	0 54	615	73
28			✓	665	672	673	673	677	678	709	719	664	618	586	611	621	593	606	616	613	624	631	636	640	635	640	651	644	1	6 03	734	10 46	560	174
29				649	649	649	647	653	653	659	663	661	654	657	664	661	649	636	647	653	660	665	662	655	671	658	664	656	0	21 25	687	14 35	618	69
30				663	660	663	666	665	662	667	674	677	677	673	668	663	664	659	668	678	681	696	698	692	682	694	684	674	1	20 23	715	14 29	657	58
31																																		
MEANS ALL DAYS				683	685	687	691	692	693	696	700	698	695	691	687	681	677	674	676	676	680	681	681	680	682	681	682	685						58
MEANS TEN DAYS ✲				690	692	692	693	695	697	700	704	705	706	704	700	692	688	686	687	690	695	697	698	697	696	696	697	696						32
MEANS FIVE DAYS † (G. M. T.)				698	699	700	701	704	706	709	704 713	704 713	703	702	697	690	688	689	690	692	696	698	699	698	698	698	699	699						
MEANS FIVE DAYS ‡ (G. M. T.)				638	641	647	655	657	658	664	670	686	669	650	640	639	635	638	641	635	637	631	632	630	642	636	640	646						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 123

HORIZONTAL INTENSITY

23978 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1938

OCTOBER 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	685	683	695	721	675	669	670	671	668	668	671	601	570	613	638	636	636	633	638	644	647	651	649	655	654	1	3	01 752	12	00 518	234
2				654	657	659	661	660	662	662	666	666	667	663	656	644	651	663	664	665	668	670	670	669	679	676	665	663	0	21	58 694	12	45 641	53
3				665	673	679	676	676	676	673	684	691	689	678	671	658	658	662	665	675	681	684	683	682	687	690	691	677	0	8	58 692	13	09 648	44
4				709	697	692	700	695	693	679	673	669	666	669	673	663	665	664	667	667	665	659	665	673	677	682	686	677	0	0	34 718	18	39 657	61
5	✓	✓		689	694	694	689	689	691	694	700	697	691	688	688	689	685	681	684	686	689	694	694	694	693	692	692	691	0	7	33 702	14	28 681	21
6				691	690	691	694	696	698	700	698	691	684	678	680	686	692	704	703	708	708	709	705	703	697	697	699	696	0	16	53 715	10	32 676	39
7			✓	697	697	695	698	700	700	702	702	699	693	687	684	684	689	709	703	674	657	649	631	615	622	589	559	672	1	15	05 718	23	40 551	167
8			✓	571	585	596	595	628	619	617	613	618	603	609	611	566	549	550	610	628	620	614	595	606	620	628	642	604	1	24	00 648	13	19 537	111
9				650	655	652	655	659	658	658	646	628	617	621	628	628	634	639	647	658	656	646	659	670	670	669	689	650	0	23	44 694	9	30 614	80
10				686	673	674	677	678	676	678	670	654	634	630	627	632	643	660	673	677	677	680	680	681	683	691	681	667	0	22	20 692	11	49 625	67
11				682	684	684	683	677	681	692	697	686	672	665	660	669	679	678	679	675	675	669	675	673	668	671	672	677	0	7	30 698	11	10 658	40
12	✓			672	674	680	685	689	694	697	697	694	691	681	675	676	680	682	685	692	695	698	698	697	700	700	700	689	0	23	03 702	0	00 669	33
13	✓			698	699	700	700	707	709	714	718	712	702	691	680	675	675	678	689	698	703	705	707	708	711	709	708	700	0	7	17 720	13	46 674	46
14	✓	✓		708	708	706	708	713	710	709	707	703	703	696	687	683	684	692	700	706	710	713	716	716	716	715	713	705	0	19	37 717	12	46 681	36
15	✓	✓		713	713	713	713	714	715	720	721	715	707	696	688	682	682	688	695	701	704	704	703	706	705	704	705	704	0	7	06 723	13	37 679	44
16				706	708	709	708	710	713	719	721	716	713	711	705	706	703	692	695	697	701	691	670	664	687	681	679	700	0	7	20 722	20	39 654	68
17				676	678	683	687	687	689	701	714	723	717	710	696	688	685	688	691	691	682	678	693	694	692	693	695	693	0	8	34 726	18	11 672	54
18	✓			703	711	705	706	709	713	718	721	717	709	701	688	685	689	693	701	709	712	708	705	706	706	706	710	705	0	7	21 722	12	14 683	39
19				710	707	709	715	710	715	723	727	726	715	705	695	689	695	708	712	709	708	709	707	701	703	704	704	709	0	8	10 729	12	54 686	43
20				709	712	710	712	714	715	717	720	718	706	690	690	696	687	688	690	695	698	697	700	705	704	702	713	704	1	8	04 724	14	07 681	43
21	✓	✓		710	711	714	715	714	713	719	718	709	707	704	696	692	693	698	709	713	714	709	706	711	710	708	709	708	0	7	00 722	12	34 690	32
22	✓			706	717	714	711	713	714	721	731	732	729	718	707	702	700	699	703	705	706	713	714	718	717	715	719	714	0	8	17 734	14	34 697	37
23				717	717	717	717	723	724	728	729	724	717	714	717	711	713	716	699	705	711	705	682	669	680	689	688	709	1	14	35 733	20	25 663	70
24				688	703	707	708	701	699	699	696	696	691	690	683	681	691	699	703	699	698	689	663	652	647	675	659	688	1	1	40 713	21	50 639	74
25			✓	668	677	683	686	693	696	694	691	697	688	666	661	672	678	682	688	678	669	642	656	649	636	658	665	674	1	8	32 702	21	37 629	73
26			✓	669	671	675	683	686	682	682	689	680	672	655	648	650	663	673	688	688	678	684	665	671	678	679	660	674	1	21	50 698	11	35 643	55
27				660	661	674	683	679	677	688	690	677	665	648	654	642	641	644	662	671	667	666	676	659	650	668	675	666	1	19	42 704	14	05 631	73
28				700	683	682	684	684	687	686	683	683	686	672	658	656	669	678	682	678	683	683	677	695	688	676	692	681	1	20	51 712	12	11 643	69
29				692	689	683	700	696	687	688	688	683	674	667	670	678	684	687	692	695	695	694	694	696	695	695	697	688	0	3	41 711	10	31 665	46
30	✓			691	702	707	701	693	698	703	703	698	694	689	679	682	682	685	687	685	687	691	694	696	697	698	698	693	0	1	53 712	11	20 676	36
31	✓	✓		698	699	701	701	703	706	711	712	707	699	688	680	674	680	687	690	696	701	704	704	706	707	709	707	699	0	7	10 713	12	10 672	41
MEANS ALL DAYS				686	688	690	693	693	693	696	697	693	686	679	672	668	672	678	684	686	686	684	682	682	683	684	685	685						62
MEANS TEN DAYS ✲				699	703	703	703	704	706	711	713	708	703	695	687	684	685	688	694	699	702	704	704	706	706	706	706	701						36
MEANS FIVE DAYS † (G. M. T.)				705	707	707	707	709	710	715	712 717	706 713	701	694	688	684	685	689	696	700	704	705	705	707	706	706	705	702						
MEANS FIVE DAYS ‡ (G. M. T.)				641	646	651	655	662	660	661	661	672	665	658	641	628	638	650	665	661	651	645	638	638	641	641	636	650						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 124

HORIZONTAL INTENSITY

23978 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1938 — NOVEMBER 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				708	708	709	710	710	712	716	716	713	708	695	689	689	691	696	700	699	705	710	709	705	694	697	708	704	0	7 03	718	21 59	686	32
2				709	710	712	716	718	721	728	728	725	721	718	717	715	710	710	709	710	711	710	709	707	715	710	710	715	0	7 13	731	23 00	704	27
3	✓	✓		702	704	707	709	713	716	719	721	716	709	701	700	708	716	719	719	716	705	704	708	710	708	702	702	710	0	7 22	721	11 08	697	24
4	✓			704	705	705	711	711	716	721	724	721	719	711	700	691	697	711	724	725	724	716	721	720	724	724	724	715	0	15 53	728	12 45	686	42
5	✓			727	719	718	715	721	722	722	727	722	712	702	703	703	711	719	720	720	720	720	719	719	716	715	709	717	0	0 14	730	10 50	700	30
6	✓			723	717	714	716	717	717	718	719	719	717	715	715	709	707	716	715	713	707	700	700	701	705	707	706	712	0	0 40	728	18 55	696	32
7				705	704	707	708	710	715	725	729	729	727	729	724	718	714	710	712	711	709	704	703	702	705	708	710	713	0	7 44	732	20 15	700	32
8			✓	710	709	709	717	715	719	724	729	722	708	692	693	706	716	707	706	698	686	672	659	647	652	654	666	696	1	7 27	730	20 54	644	86
9			✓	660	674	677	679	696	695	686	687	695	688	676	668	650	636	646	656	665	674	680	668	661	649	640	689	671	1	23 33	706	13 45	629	77
10				657	656	654	672	672	678	680	684	671	672	677	670	662	655	661	665	673	679	683	684	683	685	685	686	673	0	7 10	692	2 23	650	42
11	✓			688	689	689	691	692	696	702	705	703	694	681	668	665	665	672	681	688	696	700	705	706	704	708	707	691	0	22 40	714	13 04	662	52
12	✓	✓		701	701	704	709	706	709	713	712	706	702	698	698	693	691	701	712	714	712	710	711	711	711	712	712	706	0	17 15	716	13 20	687	29
13	✓	✓		712	713	713	715	715	718	723	731	732	723	712	711	713	713	707	705	704	708	712	711	710	710	710	711	714	0	8 05	735	16 46	702	33
14				711	711	713	715	717	722	728	736	735	734	730	720	719	720	719	719	718	721	720	719	717	719	720	712	721	1	7 53	737	20 00	706	31
15				707	701	696	696	694	693	697	706	703	714	712	701	691	687	682	685	693	692	694	695	694	697	697	699	697	0	9 40	715	14 18	681	34
16				698	699	700	702	702	713	716	717	712	702	692	686	686	691	693	695	702	698	700	700	705	709	711	708	702	1	7 23	719	12 10	683	36
17			✓	711	713	712	712	713	720	725	721	726	723	720	713	706	709	712	715	720	720	708	715	734	709	715	699	715	1	22 53	775	22 04	679	96
18				677	679	688	690	687	705	695	685	672	666	668	671	678	680	684	686	692	704	698	688	704	697	694	696	687	1	20 47	716	9 40	661	55
19				699	705	702	702	706	704	702	700	694	692	685	688	693	696	692	698	700	706	698	700	700	702	703	704	699	1	1 40	711	10 48	682	29
20				704	709	710	708	706	709	712	710	708	706	699	699	711	716	712	714	707	700	691	693	694	703	720	711	706	1	22 20	723	19 20	687	36
21			✓	703	697	695	700	704	709	708	706	708	707	699	698	709	709	710	702	716	710	694	694	685	694	707	687	702	1	16 57	741	24 00	679	62
22				693	706	704	687	684	694	699	696	690	678	659	649	668	682	675	675	678	682	686	688	700	690	687	683	685	1	1 40	715	11 26	637	78
23				692	692	693	690	691	695	698	700	700	702	701	695	691	686	679	679	694	698	700	707	700	701	704	691	695	0	22 38	711	15 02	669	42
24				703	700	697	699	702	705	706	703	688	677	677	684	682	673	677	686	694	697	698	706	706	698	703	690	694	0	0 44	711	14 10	670	41
25				689	695	690	683	691	692	688	685	685	685	683	681	688	687	689	687	694	699	690	688	688	685	691	702	689	0	24 00	717	21 33	676	41
26			✓	720	700	692	695	698	697	695	696	698	687	686	706	717	711	690	676	671	676	683	688	688	687	688	691	693	1	0 19	728	16 16	660	68
27				691	696	694	691	696	696	696	694	691	703	709	707	706	706	699	701	707	709	700	699	700	703	708	709	700	0	13 05	716	3 42	687	29
28	✓	✓		708	707	706	706	706	712	710	711	712	713	709	710	706	702	705	711	718	714	710	705	696	702	705	705	708	0	16 58	722	20 26	694	28
29	✓			708	711	713	714	716	717	715	712	715	715	712	716	709	709	705	710	714	713	716	716	716	716	719	714	713	0	16 36	721	14 34	703	18
30	✓	✓		711	717	719	716	718	720	727	727	726	733	731	726	722	722	721	716	722	720	717	716	716	717	719	719	721	0	9 54	735	15 56	688	47
31																																		
MEANS ALL DAYS				701	702	701	702	704	708	710	711	708	705	699	697	697	697	697	699	703	703	701	701	701	700	702	702	702						44
MEANS TEN DAYS ✲				708	708	709	710	712	714	717	719	717	714	707	705	702	703	708	711	713	712	710	711	710	711	712	711	711						34
MEANS FIVE DAYS (G. M. T.) †				711	711	713	715	716	720	724	720 726	718 725	716	710	709	708	709	711	713	715	712	711	710	709	710	710	710	713						
MEANS FIVE DAYS (G. M. T.) ‡				676	682	683	684	687	694	691	689	710	703	695	696	698	696	693	691	694	693	687	685	683	678	681	686	690						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 125

HORIZONTAL INTENSITY

DECEMBER 1938

23978 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		718	717	721	721	723	728	732	729	722	722	720	721	723	725	728	729	731	730	724	724	728	731	732	731	725	0	6	50	735	1 10	716	19
2			✓	729	732	733	735	737	744	749	751	747	740	731	729	725	730	733	739	735	723	710	717	702	691	691	687	727	1	7	42	752	24 00	680	72
3			✓	681	674	675	664	656	674	675	675	670	660	652	647	640	644	639	638	639	642	641	643	640	647	652	651	655	1	5	43	697	15 01	627	70
4				655	663	669	673	683	680	682	667	665	669	669	667	674	684	684	686	682	679	681	683	685	684	686	687	677	0	6	29	691	1 09	644	47
5				690	693	694	694	700	709	718	718	712	714	712	705	697	697	697	696	699	699	702	701	681	679	678	686	699	0	7	39	720	20 40	675	45
6				705	706	701	703	705	711	714	709	711	724	725	722	716	713	711	708	700	701	711	710	712	710	710	710	710	0	10	23	728	16 58	695	33
7	✓			712	711	711	714	716	720	726	730	722	723	720	707	698	694	700	704	710	713	713	713	715	715	718	719	714	0	7	39	731	13 03	693	38
8	✓	✓		721	726	728	725	725	725	728	734	736	732	725	717	711	709	708	710	718	722	724	725	723	724	723	723	723	0	7	55	737	14 33	706	31
9				720	721	723	723	723	728	738	745	745	743	735	727	718	718	734	743	744	743	738	736	734	731	728	728	732	1	17	45	753	13 35	712	41
10			✓	730	721	713	703	710	721	732	737	734	720	700	683	683	691	690	684	696	703	706	716	724	718	700	683	708	1	7	57	741	24 00	672	69
11				685	722	696	683	691	678	671	673	669	669	671	662	656	660	667	675	679	678	675	679	679	681	684	686	678	1	1	13	739	11 53	651	88
12				700	693	691	690	693	697	704	707	696	701	711	700	695	690	682	685	688	691	692	695	692	687	694	697	695	0	10	44	714	14 43	677	37
13				702	697	698	698	700	706	707	704	699	703	697	680	675	685	678	688	700	701	702	702	705	705	708	710	698	0	16	47	712	12 14	672	40
14				716	716	714	713	712	712	715	717	714	713	701	702	707	704	697	697	702	703	706	706	706	708	714	712	709	0	3	30	721	14 29	693	28
15				704	704	716	720	711	711	715	709	701	698	699	700	702	694	688	696	702	709	712	711	712	709	706	708	706	0	3	00	724	14 49	684	40
16			✓	714	717	714	710	711	715	722	727	734	742	750	750	742	727	722	721	718	723	723	718	721	724	713	717	724	1	11	42	752	16 22	705	47
17				725	731	710	703	706	701	696	688	690	681	669	648	634	662	670	687	676	670	668	676	674	683	695	702	685	1	1	07	747	13 00	625	122
18			✓	688	684	691	693	689	690	679	679	674	686	690	702	712	705	702	693	693	690	694	692	690	681	716	674	691	1	22	31	738	23 52	643	95
19				652	676	643	650	649	655	661	670	674	667	665	656	662	674	679	677	683	686	685	680	678	676	682	661	668	1	17	00	692	2 49	637	55
20				677	675	669	675	672	678	677	681	685	681	676	664	668	675	681	687	687	696	685	692	689	689	688	681	680	1	17	37	703	11 41	659	44
21				679	673	678	688	689	689	692	694	694	687	676	665	665	668	684	693	688	697	701	695	695	698	704	695	687	0	22	20	709	11 50	661	48
22				697	700	700	702	701	702	709	715	717	711	700	694	682	671	661	670	674	688	672	697	682	682	680	675	691	1	19	34	728	14 30	656	72
23				673	677	675	680	681	687	690	693	693	692	687	673	667	682	694	696	693	698	700	696	700	705	702	699	689	0	21	50	712	12 00	664	48
24	✓	✓		699	699	699	700	708	711	718	726	732	733	731	729	719	710	713	715	713	711	707	708	707	707	706	706	713	0	9	11	735	0 05	698	37
25	✓			708	706	705	705	709	710	710	713	717	710	700	695	698	710	718	719	718	713	705	710	712	714	715	711	710	0	14	20	720	11 40	694	26
26	✓	✓		711	712	711	711	715	721	732	740	744	737	724	715	713	706	707	716	725	725	721	719	721	721	722	722	720	0	8	50	745	13 56	704	41
27	✓			722	726	725	720	722	726	731	730	726	721	714	709	714	719	716	719	722	721	722	723	724	725	725	724	722	0	6	55	733	11 20	706	27
28				725	725	724	726	726	732	730	732	738	734	727	723	725	723	719	718	720	723	724	725	729	725	715	711	725	0	8	27	739	23 00	704	35
29	✓			719	723	725	723	726	728	731	734	735	732	724	718	714	709	705	705	716	719	722	724	728	727	724	723	722	0	8	42	737	15 45	703	34
30	✓			722	722	724	724	723	720	718	722	729	728	720	719	719	719	718	720	727	735	733	729	724	724	727	727	724	0	17	49	736	14 30	716	20
31	✓			735	720	719	715	717	717	719	721	720	721	715	706	700	706	721	741	751	748	731	726	729	729	729	724	723	0	17	15	753	12 30	698	55
MEANS ALL DAYS				704	705	703	703	704	707	710	712	711	709	704	698	695	697	698	702	704	706	704	706	705	704	705	702	704							49
MEANS TEN DAYS ✲				717	716	717	716	718	721	724	728	728	726	719	714	711	711	713	718	723	724	720	720	721	722	722	721	720							33
MEANS FIVE DAYS † (G. M. T.)				720	722	722	721	722	725	728	730 730	731 732	729	723	718	713	711	715	722	728	727	721	720	722	722	722	721	722							
MEANS FIVE DAYS ‡ (G. M. T.)				680	693	679	675	677	678	677	675	712	710	705	702	700	699	697	695	696	696	695	697	695	692	694	682	692							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 126

VERTICAL INTENSITY

50957 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1938 — JANUARY 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			483	471	472	470	478	481	490	485	482	469	451	432	430	432	443	455	469	479	474	472	472	475	474	472	467	1	7 00	495	12 05	427	68
2	✓			471	468	469	471	472	481	493	493	486	460	429	407	414	427	445	465	481	483	489	487	477	481	490	481	468	1	6 54	500	11 46	405	95
3	✓			471	466	466	463	467	478	493	500	496	475	452	438	433	434	446	468	484	485	483	477	478	480	490	487	471	1	8 01	510	13 00	431	79
4				484	474	463	454	464	478	493	498	503	488	456	423	413	413	420	433	452	463	477	486	492	520	498	496	468	1	21 32	538	12 45	408	130
5	✓	✓		466	462	462	453	456	474	482	487	476	463	447	431	431	435	442	454	466	482	485	479	479	480	482	481	465	0	17 55	493	11 23	428	65
6				476	474	473	471	473	478	483	490	496	490	473	452	433	422	425	441	461	481	480	477	479	485	485	481	470	0	8 30	498	13 44	421	77
7				482	467	468	461	466	471	476	473	491	485	469	451	451	442	442	454	468	472	475	476	481	486	493	496	471	1	23 16	514	14 08	438	76
8				481	479	453	457	474	467	481	482	481	475	445	422	425	434	451	469	487	491	487	478	478	481	482	482	468	0	8 05	495	11 55	412	83
9				482	480	478	472	470	468	469	482	491	498	501	484	470	459	454	467	481	489	488	482	483	485	482	482	479	0	9 54	508	14 09	452	56
10	✓	✓		478	474	473	474	472	475	475	479	488	486	480	464	446	423	422	440	466	478	482	478	481	480	476	475	469	0	8 18	491	13 57	419	72
11	✓	✓		474	474	473	472	471	475	481	482	479	476	470	467	460	452	451	462	473	481	481	479	479	479	480	480	473	0	7 19	483	14 05	448	35
12				476	470	468	471	474	477	472	467	469	471	471	467	458	446	440	461	480	479	478	471	474	475	474	479	470	0	17 14	483	14 28	439	44
13				487	488	493	480	476	477	461	463	464	462	468	468	455	449	467	485	506	511	504	491	485	486	495	492	480	1	17 10	519	13 08	442	77
14	✓	✓		496	492	481	484	476	484	490	489	480	469	448	429	409	400	411	429	456	470	473	475	476	484	493	474	465	1	22 08	504	13 15	399	105
15	✓			472	473	474	476	483	487	489	490	486	471	455	438	425	423	434	451	473	477	484	483	482	483	480	478	469	1	7 56	493	13 06	419	74
16			✓	478	478	478	470	476	483	487	484	476	437	416	406	406	409	421	440	455	467	471	476	488	485	486	494	461	1	24 00	504	12 03	402	102
17			✓	501	480	480	476	476	473	470	504	534	481	440	408	383	385	406	433	474	495	487	509	545	536	469	566	475	2	23 59	631	12 42	374	257
18				557	523	506	498	500	506	511	504	496	479	461	445	439	449	465	489	504	498	497	501	502	497	496	505	493	1	0 00	631	12 36	429	202
19				493	484	473	484	493	472	485	500	509	504	500	480	442	430	433	451	472	487	507	504	501	514	496	511	484	1	21 43	533	13 30	430	103
20				503	493	479	478	477	486	500	512	513	496	468	442	432	427	433	450	468	476	479	500	495	499	511	471	479	1	22 53	521	13 51	423	98
21				488	482	475	460	474	479	484	481	489	491	488	472	452	435	434	435	470	502	519	513	506	519	509	509	482	1	18 13	538	15 06	421	117
22			✓	503	483	484	484	480	476	475	484	489	486	470	425	430	425	404	491	499	567	716	682	644	642	597	574	517	2	18 47	798	14 37	323	475
23				580	556	534	511	521	518	537	544	549	547	523	495	468	465	477	483	497	515	522	510	504	506	510	509	516	1	0 30	617	1 00	448	169
24				507	502	502	499	492	503	504	496	493	488	473	465	465	469	472	488	501	511	500	506	508	499	497	495	493	1	17 42	518	11 55	463	55
25			✓	495	488	489	489	487	494	499	501	497	480	473	473	476	472	475	483	490	495	494	490	492	495	523	494	489	2	22 49	539	10 18	467	72
26			✓	522	493	528	541	485	492	412	463	445	414	430	445	458	464	470	480	501	513	523	514	502	501	488	484	482	2	3 39	587	5 42	341	246
27				502	494	490	497	500	504	513	514	513	510	483	462	459	459	461	475	496	503	502	502	495	497	501	507	493	1	8 40	517	13 45	456	61
28	✓			501	487	481	489	494	503	508	514	509	493	479	461	453	450	457	479	492	500	500	499	498	501	502	490	489	0	22 10	518	13 05	447	71
29				487	487	487	486	485	492	507	507	501	488	467	450	443	445	461	474	488	501	509	510	494	491	491	490	485	0	19 10	515	13 20	439	76
30	✓	✓		488	486	486	486	482	494	504	504	505	487	459	444	446	447	452	468	489	503	497	491	490	490	488	487	482	0	6 24	513	11 50	440	73
31				486	486	484	477	484	498	508	517	510	483	461	445	439	445	455	470	489	503	494	503	506	496	504	507	485	1	23 56	523	12 40	437	86
MEANS ALL DAYS				493	484	481	479	480	485	488	493	493	481	465	448	440	438	444	462	480	492	499	497	496	498	495	494	479						110
MEANS TEN DAYS ✲				480	475	474	474	475	483	490	492	489	475	457	441	435	432	440	457	475	484	485	482	481	483	486	480	472						74
MEANS FIVE DAYS † (G. M. T.)				477	475	474	473	477	483	487	488 489	486 488	476	461	447	438	431	436	451	470	483	484	480	481	483	484	479	471						
MEANS FIVE DAYS ‡ (G. M. T.)				532	509	508	505	496	499	489	506	488	460	446	431	431	431	435	465	484	507	538	534	534	532	513	522	491						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 127

VERTICAL INTENSITY

50957 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1938 — FEBRUARY 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				501	487	479	474	475	489	511	518	512	487	459	450	439	439	451	467	484	492	493	490	509	526	505	487	484	1	21 39	532	13 00	434	98
2				491	488	488	489	480	489	506	505	514	505	488	468	461	456	455	471	488	503	505	509	499	498	494	491	489	1	8 47	521	14 00	452	69
3				490	484	483	483	483	490	505	518	513	499	483	464	455	453	457	475	493	503	494	491	499	505	495	501	488	1	7 40	523	13 35	451	72
4				477	487	477	471	477	483	492	490	494	482	467	443	432	437	452	472	489	500	492	491	491	491	501	486	478	1	22 46	519	12 43	431	88
5	✓			489	485	476	475	482	488	493	494	501	488	467	449	442	440	444	459	477	492	496	487	485	493	495	493	479	0	8 03	505	13 00	439	66
6			✓	487	484	475	477	481	486	494	502	504	493	469	438	417	434	438	457	472	491	502	504	517	500	491	494	479	1	20 27	525	12 45	410	115
7				519	509	461	475	483	466	476	489	479	468	468	461	457	450	448	459	473	486	481	476	492	512	495	499	478	1	0 24	549	14 00	441	108
8			✓	504	498	498	493	488	487	497	506	506	493	470	447	432	427	430	443	465	485	491	485	479	484	486	487	478	1	8 07	513	13 10	426	87
9			✓	529	531	529	492	468	473	487	493	483	469	453	449	446	453	458	469	485	491	504	506	513	520	513	501	488	1	0 49	545	12 11	444	101
10			✓	489	473	483	488	489	493	500	505	504	484	459	442	427	432	433	468	485	492	489	492	496	502	497	496	480	1	8 28	514	12 43	423	91
11				495	491	493	493	495	497	504	504	483	469	443	448	437	448	445	483	496	525	534	518	508	501	501	503	488	1	18 02	543	14 17	432	111
12				500	495	493	494	496	502	516	524	504	474	452	435	432	432	451	468	483	497	493	491	490	493	504	492	484	0	7 35	527	13 15	429	98
13				488	489	490	492	496	496	504	505	492	472	451	432	426	434	450	462	478	495	502	500	500	506	493	489	481	1	7 16	515	12 52	424	91
14			✓	489	492	488	488	484	489	500	509	514	477	450	429	416	419	439	466	490	509	502	511	537	534	520	528	487	1	21 00	559	13 17	412	147
15	✓	✓		513	496	498	497	492	501	520	530	513	483	455	435	432	439	456	474	489	498	497	494	493	494	494	493	487	0	7 19	532	12 20	430	102
16	✓	✓		492	490	489	489	490	496	508	519	510	491	460	432	410	407	416	436	463	489	493	490	490	491	492	491	476	0	7 04	521	13 16	406	115
17	✓			489	486	486	485	485	490	503	520	523	501	463	423	410	415	427	444	470	489	494	493	490	489	489	488	477	0	8 04	529	12 20	409	120
18	✓			485	484	483	480	481	489	503	517	511	499	476	446	430	427	431	445	465	479	482	485	486	490	495	490	477	0	7 47	521	13 24	425	96
19	✓	✓		487	485	482	481	481	485	497	510	507	484	465	444	424	423	430	444	464	481	486	480	483	484	485	485	474	0	7 55	516	13 00	420	96
20	✓	✓		484	481	480	479	478	479	487	496	502	492	468	443	417	409	419	443	464	477	484	480	482	486	486	485	471	0	8 27	503	13 20	407	96
21	✓			480	479	478	477	478	481	492	504	499	482	454	426	407	407	421	441	461	478	480	478	478	478	480	481	468	0	7 58	514	12 40	404	110
22	✓	✓		481	481	480	479	479	480	486	489	488	479	459	442	435	435	438	451	465	479	482	479	478	479	480	483	471	0	7 59	491	12 40	435	56
23				483	482	482	480	479	481	486	492	494	484	450	431	425	421	430	443	469	482	479	477	478	496	501	498	472	1	21 33	510	13 22	418	92
24	✓			490	478	476	477	476	476	483	491	488	471	447	437	439	445	456	467	485	492	492	487	481	482	484	480	474	0	0 06	503	11 10	436	67
25				479	477	471	476	480	478	483	500	491	469	450	441	435	435	443	457	470	482	481	481	481	492	494	498	473	1	21 50	506	12 55	432	74
26				489	489	482	479	470	479	493	496	484	459	442	438	443	452	460	470	478	478	480	483	488	483	486	493	475	0	7 17	498	11 30	437	61
27				494	484	476	469	479	488	497	493	489	469	447	434	435	443	453	466	478	483	483	483	487	488	497	488	475	0	22 20	502	12 05	432	70
28				478	476	470	476	477	475	480	497	497	482	458	437	445	449	461	466	474	485	485	485	493	487	487	480	475	1	8 18	510	11 54	433	77
29																																		
30																																		
31																																		
MEANS ALL DAYS				492	488	484	482	482	486	497	504	500	482	460	442	432	434	443	460	477	490	492	490	493	496	494	492	479						92
MEANS TEN DAYS ✱				489	484	483	482	482	486	497	507	504	487	461	438	425	425	434	450	470	485	489	485	485	487	488	487	475						92
MEANS FIVE DAYS † (G. M. T.)				486	484	483	482	482	485	495	509 506	504 506	486	461	439	424	423	432	450	469	485	488	485	485	487	487	487	475						
MEANS FIVE DAYS ‡ (G. M. T.)				509	500	493	489	485	486	497	504	502	483	460	441	428	433	440	461	479	494	498	500	508	508	501	501	483						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 128

VERTICAL INTENSITY

50957 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1938 — MARCH 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1			✓	473	474	476	477	466	480	486	486	485	472	456	459	452	453	466	473	489	504	500	492	498	502	504	492	480	1	22	09	520	10	20	449	71
2				475	478	478	465	471	479	485	498	502	490	475	461	450	448	451	458	469	475	478	481	485	485	484	482	475	0	8	30	506	13	26	446	60
3				476	474	475	474	472	476	490	500	502	501	476	453	441	438	442	449	461	472	479	480	482	483	486	487	474	0	8	18	508	13	55	438	70
4				482	479	473	472	475	479	488	499	501	499	482	458	441	431	429	440	456	470	478	479	480	482	484	485	473	0	9	15	503	14	20	427	76
5			✓	482	477	474	470	466	473	484	494	490	483	465	448	438	431	437	451	475	485	478	483	491	512	532	528	477	1	23	17	542	13	43	428	114
6				510	502	488	472	459	470	484	493	497	477	462	453	442	438	441	459	479	480	479	485	487	486	487	488	476	1	0	00	515	13	45	434	81
7				487	485	480	480	478	467	467	483	492	488	479	473	463	448	450	452	460	472	487	488	493	496	492	492	477	0	22	04	511	13	36	446	65
8	✓			495	485	478	472	470	473	482	490	488	484	480	474	467	456	453	453	460	473	479	481	483	484	486	485	476	0	0	14	497	14	24	451	46
9	✓			484	481	478	476	476	476	474	480	489	492	487	469	456	446	439	447	462	473	478	480	481	481	483	483	474	0	8	55	493	14	20	437	56
10	✓	✓		481	480	480	480	478	476	478	491	497	492	474	457	443	440	451	465	475	480	477	478	478	478	478	478	474	0	8	10	500	13	10	438	62
11				478	478	478	477	476	478	480	482	485	485	478	468	453	436	430	439	454	470	474	475	476	477	477	477	470	0	9	22	488	14	16	429	59
12				477	479	479	479	477	478	483	488	479	484	483	458	446	435	438	446	456	466	470	476	482	486	488	497	472	1	23	10	504	12	57	433	71
13	✓			487	483	480	480	480	483	488	494	489	483	470	454	446	437	436	445	456	467	473	476	478	478	477	476	472	0	7	30	498	14	10	435	63
14				475	475	475	474	476	480	488	490	483	478	466	449	445	438	435	443	457	477	480	478	482	481	483	479	470	1	7	05	493	14	10	432	61
15				475	474	477	477	472	478	490	505	497	490	460	430	416	414	418	432	445	464	479	485	496	485	483	480	468	1	8	04	513	12	50	412	101
16	✓	✓		478	481	481	478	475	480	489	496	499	492	472	451	432	422	423	433	449	463	474	477	478	477	478	480	469	0	8	34	502	13	45	420	82
17				480	478	474	474	474	478	483	488	492	481	452	435	422	417	421	441	453	466	475	477	478	480	483	481	466	0	8	48	497	13	40	417	80
18	✓	✓		481	475	472	472	471	476	488	499	498	491	470	450	436	423	422	429	445	463	470	475	477	478	478	477	467	0	7	40	501	14	05	419	82
19	✓	✓		476	475	472	470	469	474	481	490	497	489	463	442	433	422	422	429	448	465	472	476	478	479	479	477	466	0	8	30	500	14	00	420	80
20	✓	✓		476	475	472	470	469	472	477	490	496	493	474	451	435	427	429	441	453	463	469	470	473	476	477	477	467	0	8	45	497	13	50	425	72
21				474	473	471	469	468	471	474	483	486	482	474	449	429	426	427	438	449	462	467	468	473	478	486	483	465	0	7	59	489	13	30	425	64
22			✓	479	479	478	473	474	469	469	474	477	475	471	453	436	427	435	461	472	511	528	522	534	537	511	506	481	1	21	10	552	14	38	403	149
23			✓	498	493	483	466	454	462	466	475	468	465	467	468	476	487	498	492	489	523	482	477	480	482	485	486	480	1	17	35	537	9	07	441	93
24			✓	489	496	504	486	464	462	467	464	460	496	474	466	460	467	470	477	500	528	514	502	503	494	493	491	484	1	16	58	553	8	04	445	108
25				491	490	490	490	490	487	495	506	505	492	478	459	447	441	445	456	480	490	492	507	490	488	489	485	483	1	19	45	529	13	30	440	89
26				482	487	475	476	480	467	474	474	488	488	457	460	448	451	456	463	474	484	493	511	501	488	498	494	478	1	19	46	515	10	06	446	69
27				501	503	489	479	475	479	485	492	495	485	470	450	435	431	438	451	469	482	488	491	486	483	484	484	476	0	1	05	512	13	10	430	82
28				484	482	482	482	480	484	493	500	503	491	466	448	442	443	451	465	477	483	485	486	487	486	484	482	478	0	8	03	505	12	26	441	64
29				481	481	481	483	484	487	493	497	499	488	458	437	423	426	440	455	471	478	481	484	485	481	480	478	473	0	8	30	502	12	50	421	81
30	✓			480	481	494	488	481	484	490	490	477	462	451	445	441	446	450	456	466	472	478	481	482	483	483	481	473	0	2	36	502	12	23	440	62
31	✓			479	478	477	478	479	482	485	488	486	475	462	448	437	434	441	448	462	473	479	479	481	482	482	479	471	0	8	02	489	13	13	434	55
MEANS ALL DAYS				483	482	479	476	474	476	482	490	490	485	469	454	443	438	441	451	465	479	482	484	486	486	487	485	474								76
MEANS TEN DAYS ✲				482	479	478	476	475	478	483	491	492	485	470	454	443	435	437	445	458	469	475	477	479	480	480	479	471								66
MEANS FIVE DAYS † (G. M. T.)				477	476	473	472	471	475	479	493 487	497 491	491	471	450	436	427	429	439	454	467	472	475	477	478	478	478	468								
MEANS FIVE DAYS ‡ (G. M. T.)				493	492	489	476	468	472	479	487	476	478	467	459	452	453	461	471	485	510	500	495	501	505	505	501	482								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED — △ = RECORD OFF SHEET

[ ] = ESTIMATED — □ = CLOCK STOPPED

▽ = LAMP OUT — ⍋ = NO RECORD

TABLE 129

VERTICAL INTENSITY

50956 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1938 — APRIL 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			478	475	474	474	476	478	481	487	485	480	476	466	456	451	453	458	465	469	472	476	481	481	482	480	473	0	7 42	490	13 30	450	40
2	✓	✓		479	476	473	473	472	476	483	488	490	485	472	450	431	427	438	450	461	469	474	478	481	481	481	479	469	0	8 09	491	13 20	425	66
3				477	474	471	471	474	478	481	488	488	478	456	444	430	423	432	447	464	471	474	477	492	497	494	491	470	1	21 08	498	13 20	421	77
4	✓			484	481	482	474	473	476	480	484	492	491	479	455	440	435	441	448	462	478	483	486	488	494	484	480	474	1	21 25	501	12 35	434	67
5	✓	✓		483	474	471	472	474	477	484	492	496	494	480	455	441	440	447	454	463	470	473	476	479	479	481	479	472	0	8 45	497	13 20	438	59
6				478	476	472	472	472	475	479	488	494	487	479	463	440	429	439	452	478	484	494	492	488	489	489	486	475	1	18 20	497	13 41	428	69
7				481	480	480	467	475	475	485	491	494	488	469	451	440	438	441	448	466	474	471	477	491	510	503	495	475	1	21 38	522	13 52	430	92
8				492	487	483	482	484	482	484	492	492	489	472	453	442	440	446	455	467	476	481	485	483	482	482	483	476	0	7 45	501	13 05	436	65
9				483	479	479	482	480	482	486	490	490	477	463	446	435	434	445	453	463	477	479	480	484	504	483	477	473	1	21 32	514	13 19	432	82
10				476	476	476	469	475	480	484	485	487	477	463	444	429	428	443	456	463	469	480	485	486	487	487	484	470	0	22 52	491	13 29	425	66
11				478	479	479	478	480	481	481	481	483	483	477	464	449	450	456	457	461	472	473	476	481	481	481	490	474	1	23 34	498	12 42	445	53
12				496	494	487	482	484	477	478	472	462	455	450	449	444	445	448	454	460	470	481	490	497	485	483	481	472	1	20 19	509	13 52	442	67
13			✓	479	476	476	479	475	480	481	486	497	494	481	466	448	437	444	453	462	475	483	486	478	482	488	488	475	1	8 39	508	13 31	435	73
14			✓	494	488	483	482	487	481	488	471	471	488	471	466	461	465	465	480	477	495	495	495	512	523	517	508	486	1	21 42	527	16 04	437	90
15				499	499	493	492	493	496	502	502	484	463	457	437	438	440	448	458	471	486	494	500	497	497	497	495	481	1	19 25	512	12 18	428	84
16			✓	485	484	483	483	483	483	490	496	492	481	471	455	443	440	423	453	520	567	578	594	582	558	535	528	500	2	19 54	631	14 31	393	238
17			✓	528	512	511	505	497	511	519	536	536	527	517	494	467	462	472	482	494	501	509	503	508	507	503	499	504	1	7 47	543	13 20	459	84
18				503	499	491	488	492	489	495	511	503	501	486	465	448	448	459	480	488	496	496	497	501	502	502	496	489	1	7 44	522	12 59	445	77
19				486	493	486	481	482	485	493	496	501	497	492	471	453	459	466	469	479	490	500	496	494	494	496	500	486	1	8 37	505	12 38	450	55
20	✓			500	494	487	487	487	490	497	503	499	487	476	465	458	461	463	470	480	485	487	489	492	494	499	496	485	0	22 27	507	12 30	457	50
21	✓			493	490	490	490	487	488	492	495	497	492	486	472	456	456	459	462	480	488	487	487	489	492	498	495	484	0	22 57	500	12 58	453	47
22				490	489	488	482	488	487	489	492	497	497	489	473	460	461	468	472	479	487	491	492	496	500	503	485	486	1	22 23	509	12 24	459	50
23			✓	482	484	485	483	472	479	487	492	496	489	480	457	443	448	455	457	479	495	505	524	534	530	526	503	487	1	20 18	552	12 47	437	115
24				510	493	487	484	485	472	486	493	489	486	482	477	467	465	471	480	486	496	501	503	498	498	493	495	487	1	19 03	514	13 27	464	50
25				491	489	487	486	487	490	492	497	499	493	481	467	458	453	458	468	483	495	508	495	494	503	492	490	486	1	18 50	522	13 06	450	72
26				500	501	495	478	484	475	486	488	485	486	480	468	456	459	464	472	483	492	489	488	494	495	502	488	484	0	22 12	516	12 55	453	63
27	✓			485	485	485	485	485	487	487	491	495	489	472	456	446	449	458	465	474	483	486	486	487	487	486	485	479	0	8 25	497	13 16	441	56
28	✓	✓		483	484	485	486	485	485	488	492	495	491	479	465	453	453	455	464	473	484	487	488	490	491	487	485	480	0	8 28	497	12 50	451	46
29	✓	✓		483	481	482	483	485	486	489	493	496	492	478	460	446	449	452	459	474	482	484	485	486	486	485	484	478	0	8 47	497	13 11	443	54
30	✓	✓		482	481	480	481	482	483	484	489	496	490	478	464	450	447	454	460	469	478	482	485	489	491	491	491	478	0	8 30	497	13 00	444	53
31																																		
MEANS ALL DAYS				489	486	483	481	482	483	488	492	493	488	476	461	448	446	452	461	474	485	490	492	495	497	494	490	480						72
MEANS TEN DAYS *				485	482	481	480	481	483	486	491	494	489	478	461	448	447	452	459	470	479	482	484	486	488	487	485	477						54
MEANS FIVE DAYS † (G. M. T.)				482	479	478	478	479	481	483	491 488	495 492	490	477	459	444	443	449	457	468	477	480	482	485	486	485	484	475						
MEANS FIVE DAYS ‡ (G. M. T.)				507	498	493	490	491	490	498	503	498	496	484	468	452	450	452	465	486	507	514	520	523	520	514	505	493						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 130

VERTICAL INTENSITY

50956 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1938 — MAY 1938

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		490	485	483	482	483	482	482	483	487	487	481	472	456	449	453	458	471	480	482	486	486	487	486	483	478	0	0 43	492	13 41	447	45
2				479	477	475	477	479	480	482	489	502	506	494	468	449	437	440	450	468	478	483	488	495	496	491	484	478	0	9 12	509	13 42	436	73
3				481	480	477	476	476	478	479	485	488	489	475	448	436	436	448	460	468	486	497	502	502	496	495	494	477	1	19 39	506	13 26	434	72
4			✓	496	497	491	481	475	480	473	484	485	473	468	465	458	462	454	471	480	488	490	489	491	496	513	521	483	1	23 35	531	14 18	450	81
5				498	482	474	475	472	476	478	484	493	496	495	480	464	453	451	458	472	481	484	486	487	488	489	493	480	1	0 00	522	14 31	449	73
6				509	488	487	482	477	481	480	483	491	494	488	472	464	454	453	462	472	480	481	483	487	487	493	493	481	1	0 27	517	13 51	449	68
7	✓			487	482	482	483	482	481	483	489	501	505	494	471	450	447	453	461	476	482	482	483	486	487	487	483	480	0	9 08	507	13 05	446	61
8	✓	✓		483	489	485	483	483	482	484	488	496	491	473	449	436	438	449	456	468	477	480	481	481	486	487	480	475	0	8 50	497	12 29	433	64
9	✓			479	481	482	482	482	480	481	486	491	491	482	465	452	454	460	467	472	479	481	483	483	483	484	483	478	0	8 43	494	13 07	451	43
10				481	481	481	481	481	483	487	489	493	488	469	458	450	450	458	461	474	484	485	486	487	487	485	485	478	0	9 00	496	13 05	441	55
11			✓	482	483	482	481	482	483	484	488	496	491	478	470	464	456	454	455	464	478	484	484	487	488	487	483	478	1	8 58	501	14 53	451	50
12			✓	489	503	516	522	497	463	483	468	474	476	472	468	474	483	491	492	501	517	517	516	513	523	517	509	495	1	2 47	556	5 50	404	152
13				513	505	495	485	481	490	485	485	501	503	507	495	483	474	471	476	486	493	495	497	499	498	495	495	492	0	1 00	516	14 10	470	46
14			✓	491	488	488	489	489	489	495	502	509	509	501	487	475	471	474	472	485	495	497	553	533	523	527	504	498	1	19 44	580	13 14	468	112
15				489	488	481	477	488	474	464	487	501	506	506	490	484	480	468	476	488	497	500	498	502	510	505	497	490	1	7 50	515	6 37	452	63
16				480	488	487	489	490	490	487	499	506	502	493	477	479	482	482	482	499	497	498	508	509	510	505	505	494	1	21 13	522	0 48	465	57
17				493	490	481	477	484	489	489	489	490	501	490	480	476	474	483	486	488	501	494	494	498	502	500	497	489	1	17 42	511	13 17	470	41
18				491	488	494	482	484	487	490	491	499	507	505	495	490	481	477	482	486	493	497	498	499	498	495	495	492	0	9 40	508	14 43	473	35
19	✓			494	493	491	489	488	488	488	487	493	496	493	484	480	477	473	477	486	492	493	495	495	496	497	497	489	0	23 05	500	14 30	472	28
20	✓	✓		490	489	488	485	486	489	488	489	495	499	498	489	479	479	479	481	484	487	488	490	491	493	492	491	488	0	9 52	501	12 21	477	24
21	✓			490	489	488	488	487	487	488	490	495	495	489	481	474	470	474	479	483	487	487	490	492	492	492	491	487	0	9 10	496	13 15	466	30
22				488	487	486	486	485	484	483	483	484	487	488	484	479	479	476	474	476	485	489	489	490	492	491	492	485	0	21 32	493	15 30	473	20
23	✓	✓		491	488	486	484	484	485	482	481	489	494	492	488	481	478	471	469	478	484	484	485	485	485	484	484	484	0	9 24	495	15 18	468	27
24				484	484	484	484	484	483	481	478	484	491	493	486	476	471	467	464	475	482	480	483	481	484	487	486	481	0	10 25	494	15 20	462	32
25				487	486	486	483	486	480	479	473	479	487	486	474	467	466	458	462	478	485	488	487	488	487	486	485	480	1	9 37	490	14 37	454	36
26	✓	✓		483	483	482	483	484	484	484	483	488	490	487	476	464	463	466	469	478	485	486	486	486	486	484	482	481	0	9 55	493	13 45	461	32
27				481	481	481	482	483	483	482	482	490	492	486	478	471	466	466	470	479	485	486	486	487	487	486	486	482	0	9 16	495	14 27	464	31
28				481	486	481	480	480	480	480	478	484	488	484	473	463	452	453	466	480	485	487	487	487	486	483	481	479	1	20 43	488	14 20	442	46
29			✓	479	478	478	478	481	484	483	481	485	487	479	470	472	469	468	480	494	494	500	509	528	527	525	517	489	1	21 53	544	14 20	463	81
30				504	494	484	482	485	483	483	479	488	488	483	476	470	466	464	470	482	487	494	502	511	513	507	495	487	1	21 53	519	14 43	462	57
31	✓			490	488	480	486	477	488	487	486	485	481	479	474	467	468	470	475	482	487	491	491	493	493	492	490	483	0	20 46	494	12 48	467	27
MEANS ALL DAYS				489	487	485	484	483	483	483	485	492	493	487	476	467	464	465	470	480	487	490	493	495	496	495	492	484						54
MEANS TEN DAYS ✻				488	487	485	484	484	485	485	486	492	493	487	475	464	462	465	469	478	484	485	487	488	489	488	486	482						38
MEANS FIVE DAYS † (G. M. T.)				483	482	482	483	483	483	483	485 485	491 492	492	486	475	463	461	464	467	476	483	484	486	486	487	487	484	481						
MEANS FIVE DAYS ‡ (G. M. T.)				499	494	490	488	485	477	479	481	490	487	480	472	469	468	468	474	485	494	498	510	510	511	514	507	489						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 131

VERTICAL INTENSITY

50956 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1938 — JUNE 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				484	477	471	472	478	479	478	475	479	477	471	463	457	454	455	461	472	478	480	482	484	487	482	480	474	0	21	12 492	13	53 451	41
2			✓	476	473	471	473	471	472	472	469	471	474	472	468	460	456	457	458	466	472	475	478	484	482	481	483	471	0	20	19 488	13	45 456	32
3				487	481	472	469	456	457	466	471	467	479	484	482	474	470	463	460	467	473	475	477	480	480	480	479	473	0	1	04 492	5	33 445	47
4	✓	✓		477	475	475	474	474	475	473	468	473	477	473	462	460	460	459	461	469	474	477	477	478	478	477	477	472	0	9	18 480	12	13 457	23
5				476	475	474	474	473	472	469	469	470	474	470	462	461	459	458	462	466	470	476	472	476	477	476	474	470	0	21	23 479	14	07 454	25
6				475	473	473	472	471	471	470	471	476	475	472	463	458	455	454	456	466	473	476	476	476	476	477	480	470	0	23	33 487	15	10 453	34
7				477	477	475	475	470	474	470	468	475	476	474	470	465	460	457	465	472	477	478	480	479	479	479	478	473	0	19	33 482	14	17 456	26
8			✓	475	475	474	474	475	474	460	460	473	478	474	466	464	460	467	474	477	480	484	481	481	484	482	483	474	1	9	33 488	6	06 448	40
9				475	475	474	462	470	473	475	477	479	480	472	459	454	452	453	460	468	476	476	476	476	475	472	470	470	0	9	21 483	13	24 447	36
10				467	467	468	469	472	472	472	469	475	475	475	469	464	462	459	464	475	482	488	486	483	481	485	488	474	1	22	59 498	14	09 457	41
11			✓	480	477	474	466	465	455	460	458	473	475	474	474	477	479	482	482	485	491	493	498	491	484	488	487	478	1	19	54 511	5	42 452	59
12			✓	477	480	477	475	479	478	484	481	487	486	488	478	475	475	478	485	488	496	501	504	493	493	491	487	485	1	19	34 511	2	14 470	41
13			✓	482	480	478	466	466	474	477	478	478	482	483	480	472	476	476	473	492	502	498	508	500	501	496	485	483	1	19	43 520	3	51 447	73
14				480	484	481	483	480	482	485	486	484	485	487	480	469	468	464	470	479	485	486	487	489	489	488	486	469	1	8	00 491	14	23 459	32
15				485	484	483	483	483	484	484	481	□													□	486	485		0	□				□
16	✓			483	480	480	478	479	480	480	480	488	495	494	482	474	469	467	470	483	485	488	490	491	492	496	500	484	0	23	10 504	14	54 463	41
17				484	475	474	473	476	475	472	471	479	484	477	468	468	467	467	470	477	480	481	482	484	485	485	484	477	0	0	00 491	14	02 464	27
18	✓			481	480	480	476	478	476	475	476	479	482	478	469	465	462	465	472	479	482	480	480	482	482	482	480	477	0	9	39 483	14	03 455	28
19				479	478	476	476	475	474	473	474	478	482	478	469	463	460	460	464	471	475	476	477	478	478	477	476	474	0	9	25 484	13	30 459	25
20	✓			473	475	476	475	476	475	474	471	473	475	472	468	464	464	463	466	473	477	478	478	478	478	478	478	473	0	22	30 479	14	50 462	17
21				478	476	475	474	472	472	472	472	474	478	475	469	470	468	472	476	480	484	486	489	491	495	488	485	478	1	21	39 499	13	42 464	35
22				485	481	481	479	476	476	474	470	472	476	475	473	471	470	471	470	477	483	484	484	485	484	484	483	478	0	21	00 487	13	49 466	21
23	✓	✓		482	482	482	483	480	479	476	472	476	479	479	477	475	472	470	472	476	481	481	481	480	480	479	479	478	0	3	50 483	14	06 469	14
24	✓			478	478	479	479	480	479	477	476	482	489	484	474	468	461	461	470	476	478	477	479	478	478	478	476	476	0	9	55 490	13	50 458	32
25	✓			474	473	472	470	475	478	476	477	483	487	484	475	466	462	462	465	472	478	478	478	478	480	482	473	475	0	22	14 491	13	46 461	30
26	✓			472	473	474	474	474	475	475	475	482	485	485	477	470	467	463	464	472	475	477	478	479	478	476	475	475	0	10	00 487	14	57 462	25
27	✓	✓		472	471	469	470	471	473	474	475	481	486	481	473	463	462	462	464	476	479	478	478	479	478	476	475	474	0	9	30 488	14	50 460	28
28	✓	✓		472	471	470	470	472	474	474	473	481	490	490	484	475	463	454	458	470	475	476	477	478	477	475	474	474	0	10	06 492	15	00 454	38
29				472	470	470	467	472	473	473	472	479	486	485	476	468	458	452	458	468	472	473	476	477	479	482	480	472	0	9	58 488	14	35 451	37
30				478	479	467	473	468	467	469	467	472	480	477	470	465	462	456	456	462	470	472	476	481	483	482	478	471	0	22	12 486	2	45 450	36
31																																		
MEANS ALL DAYS a)				478	476	475	473	473	474	473	472	477	481	479	472	467	464	463	466	474	479	481	482	482	483	482	480	475						a) 34
MEANS TEN DAYS ✲				476	476	476	475	476	476	475	474	480	484	482	474	468	464	463	466	475	478	479	480	480	480	480	479	476						28
MEANS FOUR DAYS (G. M. T.) b) †				474	474	473	472	474	474	473	472 472	478 478	483	481	474	468	464	461	464	473	477	478	478	479	478	477	476	474						
MEANS FIVE DAYS (G. M. T.) ‡				480	480	476	471	470	473	477	479	476	479	478	473	470	469	472	474	482	488	490	494	490	489	488	485	479						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FOUR INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
▲ = NO RECORD

a) Twenty-nine days only, omitting incomplete day June 15 b) Omitting incomplete Greenwich day June 15

TABLE 132

VERTICAL INTENSITY

50956 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

JULY 1938 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME) JULY 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				475	472	469	469	467	468	468	469	477	483	479	462	454	458	460	462	473	494	491	500	505	501	495	486	477	1	20 57	507	12 25	449	58
2				477	471	479	478	475	466	472	470	474	476	480	475	474	470	461	468	471	476	483	485	487	486	486	484	476	0	20 32	490	14 55	458	32
3	✓	✓		480	480	478	476	474	473	471	468	470	478	480	473	468	464	465	468	472	478	478	478	479	480	479	480	475	0	10 13	482	13 31	462	20
4			✓	479	478	476	476	474	473	471	470	479	485	486	479	471	467	466	470	477	484	485	495	505	524	509	488	482	1	21 54	535	15 09	464	71
5				482	479	466	467	477	456	469	466	468	470	470	464	456	460	461	463	473	477	479	479	481	491	500	491	473	1	22 05	526	5 13	438	88
6				485	480	475	475	479	477	476	473	472	471	469	466	467	467	465	466	476	483	482	483	491	491	488	482	477	1	20 53	500	12 43	463	37
7	✓			481	478	475	477	478	477	477	477	484	484	492	486	474	472	472	477	485	490	490	489	489	491	486	485	482	0	10 29	497	13 07	467	30
8				485	485	486	487	487	488	489	489	493	498	498	488	475	469	471	476	484	492	492	491	494	495	495	492	487	0	21 45	504	13 35	467	37
9				490	488	486	488	486	486	485	485	489	492	490	488	482	475	465	466	474	483	487	489	489	488	488	488	484	0	8 41	495	14 35	464	31
10			✓	484	484	481	481	474	480	477	456	478	492	484	469	459	459	467	473	484	496	498	495	497	501	498	485	481	1	21 49	510	7 34	450	60
11				482	491	499	480	483	480	479	482	482	487	486	477	471	471	469	466	476	485	486	488	488	490	488	487	482	0	2 39	512	15 31	466	46
12				484	483	481	483	482	483	481	479	487	489	480	468	462	457	459	467	476	482	484	485	488	486	484	480	479	0	9 10	490	13 15	455	35
13				478	478	477	477	476	477	477	476	484	488	487	475	464	458	457	457	467	476	479	482	483	484	483	482	476	0	9 50	489	15 29	454	35
14				479	478	478	477	471	472	469	460	484	493	493	483	490	475	462	462	472	483	486	489	493	496	490	487	480	0	10 06	505	7 24	451	54
15			✓	486	486	481	479	483	483	479	478	485	489	482	472	464	458	450	445	470	491	500	504	514	529	523	532	486	1	22 11	558	15 07	440	118
16			✓	533	490	506	501	489	457	461	455	477	471	469	466	467	471	473	472	480	512	494	498	508	504	497	498	485	1	0 06	550	5 56	437	113
17				498	493	487	487	485	488	481	474	481	483	486	477	470	463	470	474	483	489	491	491	493	494	495	494	484	0	0 24	499	14 10	456	43
18	✓			492	490	488	485	486	485	482	483	491	496	495	485	472	461	467	472	483	488	486	487	491	492	492	491	485	0	10 02	498	13 38	459	39
19				491	491	487	485	482	482	481	483	493	495	498	488	477	467	463	467	477	485	491	492	495	492	488	487	485	0	19 06	503	14 09	460	43
20				487	487	487	484	482	481	479	478	488	493	495	491	476	466	464	468	475	486	489	490	494	495	494	493	484	0	10 05	496	14 43	463	33
21				492	492	489	488	486	486	479	482	492	493	492	484	476	471	466	468	479	487	489	489	490	493	496	498	486	0	23 15	500	14 59	464	36
22	✓			493	491	491	489	487	484	481	479	480	483	486	485	476	468	464	468	473	486	486	486	488	489	490	492	483	0	0 00	495	14 18	462	33
23	✓			494	494	486	486	485	485	482	481	487	487	486	481	468	466	467	473	482	488	488	488	487	488	488	486	483	0	1 28	496	13 00	463	33
24	✓			487	486	485	484	483	485	481	479	485	489	492	486	472	464	461	468	477	482	485	486	489	489	489	488	482	0	10 42	493	14 46	461	32
25	✓	✓		489	485	483	481	481	483	482	480	486	492	489	475	464	463	457	459	472	484	487	488	489	488	487	485	480	0	9 38	494	15 00	454	40
26	✓	✓		484	483	482	483	483	483	483	483	490	494	490	480	469	463	458	463	473	480	487	490	493	498	494	493	482	0	21 37	499	14 27	456	43
27	✓	✓		487	485	483	483	481	483	484	485	492	494	490	477	466	460	456	458	467	479	485	486	488	489	487	482	480	0	9 20	495	15 04	455	40
28	✓	✓		481	479	478	479	479	479	479	479	488	498	501	494	479	469	459	458	467	479	481	482	484	485	485	484	480	0	10 23	502	14 56	456	46
29				481	479	477	479	479	480	480	479	489	493	492	484	474	461	450	453	464	476	484	486	494	499	497	493	480	0	21 41	503	14 54	447	56
30			✓	492	491	483	477	477	478	474	470	486	494	490	486	470	461	458	483	493	513	515	522	521	524	522	516	492	1	18 54	533	15 00	445	88
31				505	501	496	496	491	492	489	485	497	504	502	491	479	470	472	475	481	488	491	493	496	498	498	497	491	0	8 37	507	13 50	468	39
MEANS ALL DAYS				488	485	483	482	481	479	478	476	484	488	487	479	471	465	463	467	476	486	488	490	493	495	493	491	482						49
MEANS TEN DAYS ✱				487	485	483	482	482	482	480	479	485	490	490	482	471	465	463	466	475	483	485	486	488	489	488	487	481						36
MEANS FIVE DAYS † (G. M. T.)				482	481	479	480	479	480	479	479 479	485 488	491	490	480	469	464	459	461	470	480	484	485	487	488	486	485	479						
MEANS FIVE DAYS ‡ (G. M. T.)				500	491	491	486	485	475	476	472	481	486	482	474	466	463	463	469	481	499	498	503	509	516	510	504	487						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
☐ = CLOCK STOPPED
⧖ = NO RECORD

TABLE 133

VERTICAL INTENSITY

50955 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1938

AUGUST 1938

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				495	491	488	487	486	486	483	484	490	494	495	491	486	475	468	459	457	475	482	492	500	511	513	514	488	1	21	50	520	15 57	442	78
2				500	500	493	489	493	478	477	475	473	483	493	494	491	481	470	467	481	488	489	489	495	498	504	504	488	1	1	33	521	15 21	463	58
3			✓	507	505	501	495	488	472	477	470	483	487	498	495	489	485	477	477	481	488	489	489	491	491	492	494	488	1	1	00	512	5 04	456	56
4			✓	493	491	488	489	489	464	414	461	495	496	500	499	496	474	467	460	494	512	521	535	526	514	514	508	492	1	19	25	550	6 33	393	157
5				495	495	491	485	488	484	466	478	490	496	498	487	485	480	471	472	485	492	495	498	503	506	506	513	490	1	22	57	520	6 35	461	59
6				510	503	492	488	478	483	480	480	488	503	503	498	485	465	461	465	481	490	493	495	496	496	494	498	489	1	0	33	516	14 50	457	59
7				492	491	491	488	488	488	485	481	491	499	505	500	485	474	472	473	485	494	499	498	499	498	497	501	491	1	10	34	505	14 01	467	38
8				502	493	490	487	488	489	487	487	493	496	494	489	483	476	465	468	480	490	492	494	501	500	497	494	489	0	0	13	508	14 34	461	47
9	✓			492	490	490	486	489	491	489	490	497	498	494	485	471	460	458	466	481	489	490	492	492	492	491	490	486	0	9	27	500	14 13	456	44
10				488	487	486	486	487	487	486	491	508	507	488	468	459	456	464	472	483	490	489	491	491	492	490	487	485	1	8	58	512	13 25	450	62
11			✓	484	482	483	484	487	487	485	488	498	500	492	474	457	445	439	447	467	484	505	526	550	564	560	551	493	1	20	03	608	14 18	430	178
12				512	498	490	488	486	483	481	495	503	503	504	496	479	472	471	475	482	492	497	499	502	502	501	498	492	1	0	00	531	14 50	464	67
13				496	495	491	492	493	492	491	496	505	507	501	488	476	470	465	462	470	485	490	492	495	497	497	495	489	0	8	31	513	15 50	456	57
14				493	490	488	487	487	488	486	488	502	506	502	492	475	461	450	456	471	483	488	489	492	494	496	494	486	0	9	12	507	14 20	449	58
15	✓	✓		492	491	490	488	488	488	485	489	500	503	495	481	473	466	465	469	479	489	489	489	492	493	493	493	487	0	9	16	504	14 15	464	40
16	✓	✓		492	489	487	486	485	486	485	490	500	504	501	491	476	460	454	462	478	490	491	490	491	492	493	492	486	0	9	30	505	14 30	452	53
17	✓			490	488	487	486	483	482	482	490	501	505	498	487	467	454	454	463	477	487	488	489	494	495	504	501	486	0	22	38	505	13 58	452	53
18	✓	✓		497	492	490	489	487	485	483	486	493	497	496	486	474	469	468	468	475	483	486	487	490	492	494	493	486	0	9	38	499	14 50	467	32
19	✓			490	490	488	484	482	481	480	485	495	496	487	479	471	465	467	473	480	490	493	494	496	498	500	501	486	0	23	46	502	14 38	464	38
20	✓	✓		501	502	496	491	489	488	488	488	498	505	503	493	476	458	455	461	475	489	492	491	493	493	493	493	488	0	9	42	507	14 15	454	53
21				493	493	492	490	489	489	487	489	498	501	500	491	473	455	454	463	473	487	489	491	493	495	494	491	486	0	9	22	502	13 53	451	51
22			✓	493	490	501	491	489	489	489	492	498	501	496	484	472	460	456	463	478	489	492	493	493	492	499	493	487	0	2	29	504	14 00	453	51
23			✓	496	485	484	493	486	480	482	482	487	488	486	475	467	470	468	472	478	505	494	508	506	505	504	502	488	1	17	32	527	14 12	452	75
24				498	496	495	496	495	496	495	498	500	499	496	489	475	466	464	473	484	493	496	497	499	499	499	496	491	0	20	38	502	14 06	461	41
25				494	492	490	489	489	489	489	480	493	504	500	496	486	482	475	475	483	493	495	496	498	499	497	496	491	0	9	21	510	15 20	472	38
26	✓			494	492	488	489	491	490	490	492	503	507	499	492	481	471	468	475	483	490	493	496	498	499	497	496	491	0	9	18	510	14 36	465	45
27	✓	✓		492	490	489	488	486	489	491	498	507	509	505	496	474	462	457	458	470	486	489	491	493	495	495	495	488	0	8	52	510	15 06	457	53
28				490	488	485	484	484	485	484	491	502	504	501	482	456	438	435	445	464	481	485	488	491	494	493	490	481	0	8	38	505	14 10	433	72
29				488	486	483	481	478	481	476	485	493	495	493	482	463	451	451	454	464	482	486	490	494	494	497	496	481	0	8	55	498	13 56	439	59
30				493	493	481	489	486	483	483	495	507	509	497	474	462	455	455	464	480	488	490	493	500	503	503	500	487	0	9	06	514	14 11	451	63
31	✓			496	493	484	484	485	487	489	495	507	507	503	485	469	464	462	470	478	491	494	498	496	499	499	499	489	0	9	02	509	14 02	458	51
MEANS ALL DAYS				495	492	489	488	487	485	482	487	497	500	498	488	475	465	461	465	477	489	492	495	498	500	500	499	488							61
MEANS TEN DAYS *				494	492	489	487	486	487	486	490	500	503	498	488	473	463	461	466	478	488	490	492	494	495	496	495	487							46
MEANS FIVE DAYS (G. M. T.) †				491	490	488	486	485	485	484	490 489	500 499	504	500	489	475	463	460	464	475	487	489	490	492	493	494	493	486							
MEANS FIVE DAYS (G. M. T.) ‡				499	493	490	490	489	481	468	483	492	494	494	485	476	467	461	464	480	496	500	510	513	513	514	510	490							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 134

VERTICAL INTENSITY

50955 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1938 — SEPTEMBER 1938

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M	MAXIMUM	MINIMUM H M	MINIMUM	RANGE
1	✓	✓		498	494	493	491	489	487	487	495	506	503	493	477	459	452	456	463	477	487	490	492	495	497	497	499	487	0	8 30	508	13 55	450	58
2	✓			495	495	494	491	485	484	488	497	507	505	487	463	440	436	451	463	475	484	486	489	492	493	496	496	483	0	8 39	508	13 30	434	74
3				495	493	492	489	486	484	485	493	503	500	492	474	464	457	459	471	487	497	500	507	523	518	514	507	491	0	20 27	528	13 37	456	72
4	✓			505	496	496	493	492	492	492	496	507	507	497	478	466	458	462	470	482	486	489	496	496	499	500	503	490	0	8 52	510	13 38	457	53
5				501	496	492	496	496	492	491	492	492	488	473	461	455	453	462	474	483	489	493	496	501	498	503	514	487	0	23 28	518	13 27	450	68
6	✓	✓		504	499	496	494	495	496	499	509	514	506	486	466	454	450	457	470	481	485	487	489	492	492	492	491	488	0	8 35	516	13 10	449	67
7				489	489	487	486	486	488	492	500	501	487	467	450	443	451	462	474	490	493	493	493	494	494	494	492	483	0	8 35	509	12 34	437	72
8	✓			492	489	487	488	488	491	495	498	496	489	482	468	462	466	472	477	489	496	499	499	499	505	498	496	488	0	21 44	509	12 26	460	49
9				495	488	488	486	483	489	492	495	500	498	485	468	456	453	458	469	477	486	491	495	502	504	499	499	486	0	20 42	509	13 20	452	57
10				498	495	493	487	489	486	491	498	505	502	489	470	454	452	457	465	479	491	496	499	504	502	499	497	487	0	20 10	519	13 20	449	70
11				499	492	488	491	485	486	489	501	512	512	507	496	485	473	463	465	470	481	487	495	505	509	507	506	492	0	8 28	513	14 40	463	50
12				502	496	494	489	487	483	486	499	513	515	507	495	479	470	472	477	481	485	492	499	505	506	503	499	493	0	8 47	518	13 55	469	49
13				501	495	493	489	488	488	491	494	496	495	487	477	472	471	470	476	483	489	494	497	498	499	500	500	489	0	0 16	504	14 46	467	37
14			✓	501	491	485	494	484	472	488	488	489	495	495	486	486	484	487	492	493	497	495	503	505	515	518	524	494	1	22 30	531	5 10	457	74
15			✓	533	535	528	519	492	467	474	461	467	481	492	474	476	467	476	480	550	547	547	577	570	535	536	528	509	2	19 18	654	5 12	456	198
16				529	493	496	466	457	490	496	496	501	504	500	497	487	478	477	479	494	504	506	508	510	511	515	515	496	0	0 14	545	3 34	440	105
17				507	507	500	500	503	501	503	511	520	522	512	496	487	476	474	479	496	500	500	500	505	514	517	508	502	0	9 27	524	14 38	472	52
18	✓			508	504	501	503	503	503	506	510	514	514	506	487	473	468	474	482	494	500	503	503	503	506	506	504	499	0	9 21	516	13 46	468	48
19	✓	✓		505	504	503	503	503	504	507	509	512	511	495	479	471	468	473	486	497	499	500	500	501	502	502	502	497	0	8 58	514	13 37	467	47
20	✓			502	502	501	501	502	505	507	509	511	500	483	465	455	458	467	478	492	501	500	500	503	503	502	501	494	0	8 04	518	12 48	454	64
21				500	500	499	499	500	503	510	516	511	494	472	458	454	454	465	476	490	497	500	501	502	504	504	499	492	0	7 43	518	13 30	453	65
22				494	496	495	495	499	500	502	509	513	504	485	469	456	455	466	479	497	509	513	516	513	512	505	501	495	0	18 33	523	13 07	450	73
23				498	495	495	496	498	501	505	509	510	506	485	466	445	436	454	474	486	497	499	503	505	506	506	503	491	0	8 00	513	13 36	428	85
24	✓	✓		498	496	496	495	496	498	503	518	525	516	493	468	444	440	451	468	487	496	497	500	505	506	503	505	492	0	8 53	526	12 58	437	89
25	✓	✓		502	498	495	495	496	495	504	520	527	520	490	453	431	425	439	460	484	494	498	501	507	511	507	503	490	0	8 33	527	13 20	421	106
26			✓	500	496	496	494	495	497	503	512	526	522	490	451	424	415	420	438	478	511	540	528	549	562	555	542	498	1	18 27	578	13 10	413	165
27			✓	548	533	521	505	488	491	510	512	517	527	520	502	483	467	465	479	504	512	514	521	532	529	527	530	510	1	0 30	553	14 25	463	90
28			✓	517	512	507	498	491	498	439	495	540	525	515	510	490	504	499	497	514	521	524	521	520	526	528	519	509	1	8 41	554	6 38	406	148
29				523	516	515	512	511	514	522	530	535	523	492	459	442	439	456	474	496	509	526	521	520	524	524	526	505	0	8 11	540	13 19	432	108
30				522	516	511	511	512	512	515	520	522	520	509	488	466	459	466	479	494	503	501	501	511	518	528	517	504	1	22 23	540	13 45	458	82
31																																		
MEANS ALL DAYS				505	500	498	495	493	493	496	503	510	506	493	475	462	458	464	474	490	498	502	505	509	510	510	508	494						79
MEANS TEN DAYS ✲				501	498	496	495	495	496	499	506	512	507	491	470	456	452	460	472	486	493	495	497	499	501	500	500	491						66
MEANS FIVE DAYS † (G. M. T.)				498	496	495	493	493	494	499	510 508	517 514	511	491	469	452	447	455	469	485	492	494	496	500	502	500	500	490						
MEANS FIVE DAYS ‡ (G. M. T.)				530	518	513	500	488	492	488	499	508	510	502	485	472	467	469	477	508	518	524	530	535	533	533	529	505						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 135

VERTICAL INTENSITY

50955 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	511	512	509	501	521	505	503	512	512	504	500	497	491	495	498	507	519	526	526	523	522	520	521	520	511	1	7 06	536	12 23	477	59
2				519	516	512	511	508	514	523	524	525	515	501	489	479	475	482	496	508	517	526	522	516	509	515	523	509	0	8 29	532	13 27	472	60
3				518	509	507	508	510	511	511	513	515	505	492	485	477	470	475	491	500	510	515	513	513	513	513	512	504	0	0 12	522	13 39	468	54
4				505	514	515	509	502	506	515	517	510	500	486	473	469	470	481	491	502	510	515	521	532	515	512	510	503	0	20 14	540	13 20	466	74
5	✓	✓		506	503	503	508	510	512	514	523	531	524	502	475	468	468	478	492	503	510	510	510	510	510	511	511	504	0	8 55	533	12 35	467	66
6				511	509	506	506	506	510	519	527	531	522	496	457	429	434	450	478	496	506	505	507	509	512	510	507	498	0	8 15	532	12 56	426	106
7			✓	506	507	505	502	503	506	511	518	522	515	495	465	440	435	438	465	501	530	538	543	560	597	582	595	512	1	21 46	627	13 17	433	194
8			✓	559	543	532	510	474	489	506	521	521	516	487	479	485	484	508	517	521	531	539	566	543	539	532	519	518	1	19 35	575	11 40	469	106
9				514	510	517	509	518	528	536	544	547	538	510	475	454	455	464	484	510	522	528	522	521	521	522	519	511	0	8 04	551	13 00	452	99
10				509	509	510	510	510	512	528	542	540	523	485	452	440	446	461	490	514	522	520	518	519	521	528	518	505	0	8 00	545	12 38	439	106
11				510	509	507	510	506	513	524	536	538	524	499	466	449	448	461	481	502	514	518	529	532	531	528	528	507	0	7 53	546	13 08	445	101
12	✓			521	515	513	506	506	514	524	534	538	523	491	460	443	443	461	480	495	504	506	509	514	513	513	512	502	0	8 40	540	13 15	440	100
13	✓			510	506	505	503	501	505	517	526	531	521	499	472	457	455	464	478	495	506	506	506	507	508	509	509	500	0	8 28	532	13 30	454	78
14	✓	✓		509	506	505	500	500	509	519	524	526	514	490	454	432	435	451	475	495	503	502	504	505	506	508	507	495	0	7 58	530	13 04	429	101
15	✓	✓		506	505	504	501	501	506	515	525	529	523	489	455	440	444	455	474	495	504	504	506	512	512	511	509	497	0	8 20	529	12 48	438	91
16				507	506	507	505	505	502	506	512	516	508	494	477	464	464	479	494	502	507	511	519	527	531	527	521	504	0	21 47	535	12 41	461	74
17				524	516	515	511	509	508	514	517	518	512	493	465	447	447	460	480	500	513	514	509	511	514	510	510	501	0	0 00	525	13 49	447	78
18	✓			505	505	506	505	505	509	517	525	525	515	489	466	451	448	452	468	488	502	505	506	506	507	509	511	497	0	8 01	528	13 50	445	83
19				508	507	506	503	505	508	512	523	529	524	498	472	452	455	462	482	502	506	506	508	515	514	509	509	501	0	8 53	535	12 52	449	86
20				504	503	505	504	503	508	514	524	525	521	495	467	449	451	462	482	498	506	512	517	515	511	511	505	500	1	7 37	533	12 41	445	88
21	✓	✓		504	504	500	495	506	515	519	525	526	512	488	462	451	454	468	484	499	508	511	515	523	511	505	504	500	0	20 10	529	13 06	449	80
22	✓			504	500	499	502	504	510	515	524	528	527	511	488	475	471	474	490	502	505	505	505	506	505	509	507	503	0	9 00	531	13 53	469	62
23				501	501	501	500	497	501	516	524	523	509	487	455	443	439	449	478	493	503	511	524	533	527	517	516	498	1	20 29	540	13 31	436	104
24				514	501	499	501	507	514	517	524	519	513	493	474	469	466	471	486	507	522	523	534	547	550	522	533	509	1	21 72	553	13 27	464	89
25			✓	520	510	505	503	505	514	526	525	521	530	526	500	480	468	469	483	500	521	534	534	563	554	528	528	514	1	20 45	586	14 17	463	123
26			✓	528	521	508	505	505	504	513	526	530	532	518	494	478	469	476	493	504	521	534	531	537	540	545	542	515	1	21 35	561	14 08	461	100
27				544	522	509	505	509	513	505	525	531	539	525	507	492	478	483	492	518	517	521	535	551	538	536	526	518	1	20 00	568	13 53	475	93
28				514	518	510	503	507	516	519	520	521	526	515	497	483	470	468	476	499	518	520	524	540	536	527	521	510	1	20 47	562	14 34	466	96
29				520	521	511	499	502	511	516	523	538	540	522	495	465	452	465	488	507	514	516	517	516	517	520	521	508	0	9 01	544	13 33	450	94
30	✓			517	504	507	510	513	511	517	529	535	531	520	501	470	459	458	472	495	512	515	514	513	515	515	517	506	0	9 06	538	14 27	456	82
31	✓	✓		515	511	510	510	510	515	524	532	537	536	528	500	462	456	464	485	499	508	510	508	509	510	511	511	507	0	9 15	539	13 38	455	84
MEANS ALL DAYS				514	510	508	505	505	510	517	525	527	521	501	477	461	458	467	485	502	513	516	519	523	523	520	519	505						91
MEANS TEN DAYS ✱				510	506	505	504	506	511	518	527	531	523	501	473	455	453	462	480	497	506	507	508	510	510	510	510	501						83
MEANS FIVE DAYS † (G. M. T.)				508	506	505	505	505	508	515	526 523	530 526	522	499	469	451	451	463	482	498	507	507	509	512	510	509	508	500						
MEANS FIVE DAYS ‡ (G. M. T.)				533	522	516	508	503	510	517	528	521	519	505	487	475	470	478	493	509	526	534	539	545	550	542	541	515						

OCTOBER 1938

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
[] = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 136

VERTICAL INTENSITY

50955 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1938 — NOVEMBER 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				512	511	510	509	510	514	522	528	526	523	509	488	475	473	480	493	503	508	509	509	514	520	523	507	507	0	22 17	533	13 00	471	62
2				509	509	509	508	510	513	517	519	518	512	495	478	466	465	474	486	499	506	511	511	511	508	512	515	503	0	7 00	521	13 13	462	59
3	✓	✓		515	506	505	505	508	512	518	521	517	504	485	459	443	449	472	495	512	522	519	512	512	512	514	513	501	0	7 56	525	12 40	440	85
4	✓			508	508	509	508	509	515	523	529	525	519	508	492	476	467	469	476	489	501	508	506	507	505	507	512	503	0	7 00	529	14 02	464	65
5	✓			509	508	505	506	502	510	519	520	519	515	497	472	447	439	459	483	502	509	511	509	509	510	515	515	500	0	8 10	524	13 27	436	88
6	✓			503	506	504	503	506	511	519	522	518	507	481	459	450	453	462	480	497	509	519	521	523	519	512	511	500	0	21 08	525	12 27	449	76
7				510	507	505	506	508	511	515	523	524	516	497	477	461	456	468	486	502	513	518	517	518	515	512	511	503	0	7 58	527	13 25	455	72
8			✓	510	509	509	508	506	506	512	524	526	516	492	448	422	434	464	486	505	519	538	545	556	557	558	546	508	1	21 00	562	12 30	421	141
9			✓	536	513	509	507	511	523	536	539	537	532	512	484	474	480	496	508	519	520	526	550	558	551	557	507	520	1	19 55	569	23 50	467	102
10				532	531	524	507	502	517	525	530	529	529	518	494	479	478	488	501	512	518	521	521	521	522	522	521	514	0	0 47	553	12 55	474	79
11	✓			518	516	514	514	515	519	528	538	547	547	528	503	475	461	461	474	491	505	515	515	523	526	531	527	512	0	9 06	550	14 08	457	93
12	✓	✓		524	520	514	513	515	518	524	537	541	536	521	496	470	451	448	468	490	507	516	517	519	521	521	520	509	0	8 27	543	14 10	445	98
13	✓	✓		519	517	515	513	513	513	521	530	537	537	521	497	475	466	476	495	510	514	517	517	518	520	520	520	512	0	9 13	541	13 46	466	75
14				519	518	516	514	515	516	519	524	520	515	508	501	488	477	484	499	509	514	517	515	517	518	519	527	511	1	23 57	533	13 40	474	59
15				529	529	532	525	518	513	505	505	507	510	512	505	502	506	512	518	519	523	524	521	519	520	521	521	516	0	2 34	535	11 44	500	35
16				522	523	521	519	521	513	527	538	544	540	527	507	487	474	479	494	509	521	526	524	520	518	518	518	516	1	8 51	546	13 34	472	74
17			✓	518	517	518	518	520	525	524	524	512	511	496	494	491	484	484	495	504	515	525	521	516	540	543	541	514	1	22 01	562	13 47	476	86
18				541	535	527	520	523	524	533	531	518	499	484	476	475	482	491	501	511	515	523	531	525	530	526	523	514	1	5 53	544	12 23	472	72
19				523	522	519	522	519	526	526	526	521	508	493	480	473	476	487	501	513	523	537	532	524	523	521	521	513	1	18 37	547	12 30	472	75
20				520	519	518	521	527	534	536	532	529	517	497	474	466	471	488	504	521	536	538	532	535	540	531	524	517	1	21 44	549	12 18	465	84
21			✓	526	523	519	519	523	530	533	536	533	525	503	479	467	471	478	496	505	525	551	542	548	541	542	524	518	1	21 57	566	12 40	465	101
22				528	526	513	523	520	520	543	550	549	537	524	510	500	493	492	502	512	523	531	531	537	533	537	531	524	1	7 40	553	14 20	487	66
23				523	523	522	525	526	534	546	549	546	522	501	492	491	485	488	504	519	520	526	526	527	528	540	537	521	0	7 27	552	14 08	482	70
24				523	521	520	520	524	528	533	538	540	532	515	499	486	481	492	509	529	527	534	541	536	540	544	544	523	0	22 07	555	13 33	478	77
25				545	535	524	521	525	522	528	530	535	538	528	511	499	496	497	505	514	522	528	531	535	541	538	534	524	0	21 40	549	14 24	494	55
26			✓	526	533	522	522	522	527	529	532	533	520	504	492	478	478	496	518	535	541	537	549	546	535	534	539	523	1	19 31	557	13 07	474	83
27				536	519	519	522	520	527	530	528	523	520	513	505	504	499	504	510	520	527	533	535	530	527	526	526	521	0	1 22	542	13 45	497	45
28	✓	✓		528	526	524	523	524	527	528	531	531	520	510	498	487	490	500	510	518	527	530	531	531	527	531	525	520	0	7 36	535	12 40	487	48
29	✓			523	522	521	522	523	527	536	539	532	522	503	488	481	485	492	503	513	523	527	523	521	521	523	523	516	0	7 22	544	12 44	480	64
30	✓	✓		522	518	518	519	522	525	531	534	531	515	497	477	474	478	487	503	517	527	527	523	521	521	521	521	514	0	8 06	539	11 50	472	67
31																																		
MEANS ALL DAYS				522	519	516	515	516	520	526	530	529	521	506	488	475	473	482	497	510	519	525	525	526	526	527	523	513						75
MEANS TEN DAYS ✱				517	515	513	513	514	518	525	530	530	522	505	484	468	464	473	489	504	514	519	517	518	518	520	519	509						76
MEANS FIVE DAYS † (G. M. T.)				518	517	516	516	517	519	526	531 532	531 529	522	507	485	470	467	477	494	509	519	522	520	520	520	521	520	511						
MEANS FIVE DAYS ‡ (G. M. T.)				535	525	518	516	515	522	533	536	528	521	501	479	466	469	484	501	514	524	535	541	545	545	547	531	518						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 137

VERTICAL INTENSITY

50954 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1938 — DECEMBER 1938

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1	✓	✓		523	522	521	521	523	526	530	537	533	522	509	492	483	480	487	502	517	526	525	519	519	519	520	520	516	0	7	34	539	13	10	479	60
2			✓	521	520	520	518	522	526	533	539	535	530	519	503	488	477	486	498	514	529	530	534	544	548	546	548	522	1	23	56	554	13	40	476	78
3			✓	551	553	547	549	548	522	532	526	518	505	489	479	475	480	495	512	534	551	552	554	556	554	551	554	529	1	20	31	560	12	43	473	87
4				555	551	549	555	538	531	529	534	517	507	488	478	488	500	511	523	537	542	539	536	533	533	532	529	526	0	3	51	565	11	44	476	89
5				528	527	526	526	526	537	543	550	547	532	507	493	490	494	505	521	534	540	539	541	558	550	534	526	528	0	20	44	568	12	06	489	79
6				528	525	525	527	527	538	545	545	537	520	504	487	479	479	490	513	530	535	534	533	533	532	531	531	522	0	7	07	550	12	41	476	74
7	✓			528	525	523	520	520	528	537	547	530	520	511	491	468	458	466	486	505	519	521	521	521	523	522	521	513	0	7	10	551	13	35	456	95
8	✓	✓		518	511	509	515	519	528	533	532	523	512	492	469	453	449	462	479	496	512	522	521	520	521	521	520	506	0	6	39	535	13	10	445	90
9				518	516	514	514	517	520	525	527	524	518	504	479	460	456	458	473	492	510	518	519	521	522	523	523	506	1	7	20	530	14	00	451	79
10			✓	524	534	537	525	522	514	517	523	525	525	508	487	466	458	473	487	464	510	529	528	523	532	558	559	514	1	22	55	590	13	14	454	136
11				530	514	516	524	486	500	515	524	537	529	503	476	456	451	465	482	503	517	527	526	526	531	530	527	508	1	9	54	543	12	57	447	96
12				522	520	520	517	518	523	534	547	554	544	533	522	504	486	486	497	509	519	525	526	533	535	527	528	522	0	8	17	560	14	10	481	79
13				525	521	520	520	522	524	524	524	531	528	522	507	487	480	477	487	504	517	524	530	525	527	525	522	516	0	8	54	534	14	05	474	60
14				524	520	518	510	519	518	520	520	527	535	527	515	503	496	498	502	509	512	515	524	522	530	531	528	518	0	9	48	538	13	56	494	44
15				532	526	516	515	523	519	520	518	514	507	502	492	480	476	481	494	505	511	518	518	518	523	528	523	511	0	0	17	535	13	43	476	59
16			✓	519	517	518	520	522	524	524	525	524	523	509	490	485	488	490	491	498	508	516	524	520	524	529	532	513	1	23	02	535	12	33	482	53
17				530	539	538	520	512	520	511	514	500	503	491	479	484	491	494	504	532	545	542	543	535	536	531	532	518	1	19	03	555	11	40	476	79
18			✓	526	532	530	523	521	532	536	535	531	515	498	486	493	499	502	513	532	529	529	539	539	543	533	542	523	1	23	56	576	11	17	482	94
19				558	542	548	534	507	525	525	526	524	510	491	478	465	465	473	494	523	532	531	534	540	543	546	555	520	1	0	00	572	13	02	460	112
20				552	542	543	530	530	523	525	527	532	533	520	506	495	487	490	502	518	526	527	529	527	536	535	541	524	1	0	43	564	13	55	486	78
21				539	540	529	520	522	519	516	521	526	526	516	498	480	472	480	507	523	529	534	540	533	529	532	526	519	0	20	03	546	13	13	470	76
22				521	518	517	517	520	523	529	534	543	537	521	499	487	483	487	503	526	549	547	548	545	539	538	538	524	1	19	56	560	13	01	480	80
23				542	541	537	530	532	534	537	539	535	527	521	506	486	479	483	495	506	516	525	526	528	530	530	526	521	0	1	16	543	13	37	478	65
24	✓	✓		522	520	519	518	517	517	514	519	522	524	520	519	518	512	516	518	521	524	517	518	522	524	525	524	520	0	17	08	526	14	00	509	17
25	✓			522	522	520	519	518	521	525	529	529	524	509	495	488	479	476	482	495	509	515	515	518	521	526	526	512	0	8	01	531	14	16	475	56
26	✓	✓		519	518	518	517	516	516	515	515	520	522	516	506	500	493	492	492	497	505	512	515	519	520	520	520	512	0	9	36	524	15	04	490	34
27	✓			520	517	514	514	514	516	519	526	531	529	511	493	488	491	494	496	497	500	506	512	515	518	518	518	511	0	8	51	533	12	20	486	47
28				517	515	515	514	515	514	514	511	511	514	507	495	490	491	498	502	504	508	506	510	511	519	526	528	510	0	22	53	533	12	35	489	44
29	✓			520	517	514	515	514	515	513	514	518	520	513	500	490	487	484	485	485	492	504	507	510	514	517	519	507	0	9	30	522	14	50	484	38
30	✓			520	517	515	514	513	513	512	511	517	519	514	510	503	499	497	491	490	490	499	508	511	515	516	516	509	0	9	33	521	15	12	487	34
31	✓	✓		520	520	514	514	511	512	513	514	526	523	515	509	501	488	465	464	466	484	509	516	516	516	518	519	506	0	8	40	528	15	43	462	66
MEANS ALL DAYS				528	526	524	522	520	522	525	528	527	522	509	495	485	481	486	497	509	519	524	526	527	529	530	530	516								70
MEANS TEN DAYS ✱				521	519	517	517	516	519	521	524	525	522	511	498	489	484	484	490	497	506	513	515	517	519	520	520	511								54
MEANS FIVE DAYS † (G. M. T.)				519	518	517	516	517	520	524	523 527	525 528	521	510	499	491	484	484	491	499	510	517	518	519	520	521	521	512							
MEANS FIVE DAYS ‡ (G. M. T.)				545	540	540	536	518	520	522	525	527	520	505	489	481	480	489	500	508	525	531	536	536	540	543	547	521							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 138

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1939

JANUARY 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		236	237	240	245	255	271	272	270	286	296	294	275	246	221	216	207	205	198	204	211	224	227	228	239	242	0	9 37	298	17 32	197	101
2	✓			247	246	244	244	246	252	265	278	296	289	264	233	215	207	207	206	199	195	201	218	221	236	233	234	236	0	8 43	299	18 08	190	109
3	✓	✓		237	239	236	236	245	251	267	279	286	278	249	226	215	205	197	200	206	216	217	217	225	225	228	235	234	0	8 04	296	14 30	195	101
4	✓			239	242	245	245	246	248	266	282	286	280	256	225	204	196	197	205	215	215	216	216	218	224	227	235	234	0	8 15	289	14 08	193	96
5			✓	244	247	248	248	254	268	290	296	297	296	282	254	227	226	223	224	225	218	225	225	226	236	226	228	247	1	7 05	306	12 12	220	86
6				232	233	236	240	244	249	257	258	268	267	222	188	175	177	188	207	224	227	227	226	221	224	226	228	227	0	8 13	277	13 05	169	108
7				245	237	241	243	244	247	285	306	318	296	235	187	174	175	185	196	214	226	237	234	230	236	232	231	236	0	8 05	328	12 40	173	155
8				235	236	234	236	246	258	275	287	292	286	246	204	194	198	214	228	236	239	241	240	237	234	236	243	241	0	9 30	303	11 50	186	117
9			✓	248	249	239	227	236	263	287	309	336	328	265	195	161	138	139	156	194	224	236	224	218	225	232	235	232	1	8 50	339	13 50	132	207
10				231	235	225	232	236	236	257	288	306	296	255	225	185	174	183	185	202	214	230	246	254	241	236	243	234	0	8 20	318	13 20	172	146
11				237	233	234	231	226	248	277	305	318	301	264	213	186	175	178	186	203	224	236	242	245	237	235	241	236	0	8 49	328	13 20	173	155
12				244	243	234	228	225	227	280	316	347	345	316	268	236	211	198	187	185	196	216	226	228	236	244	233	245	0	8 40	350	16 40	184	166
13	✓			236	232	234	235	236	238	264	287	312	310	277	236	214	201	199	195	185	195	206	215	217	226	226	227	233	0	9 03	320	16 30	184	136
14				234	237	236	237	244	256	274	297	317	326	308	276	245	214	196	191	195	204	211	223	225	227	258	262	246	1	9 59	329	16 10	186	143
15				238	234	234	237	244	246	254	285	298	286	256	228	207	194	186	187	197	216	224	222	226	231	234	237	233	0	9 12	304	15 25	183	121
16				235	234	236	238	245	255	265	277	285	277	267	248	225	201	187	186	186	196	205	214	224	218	224	227	231	0	8 20	287	15 30	183	104
17			✓	238	237	237	238	229	245	271	296	296	287	268	254	244	226	208	206	214	213	210	221	228	227	233	237	240	1	7 42	315	15 30	204	111
18				244	240	245	245	243	243	246	257	272	268	264	236	225	207	195	205	205	204	208	215	220	226	234	236	233	0	9 03	287	14 50	189	98
19				237	236	237	239	245	250	246	259	277	268	244	217	209	207	206	207	214	217	216	216	227	227	227	235	232	0	8 31	284	13 03	205	79
20				238	239	241	245	247	258	279	304	298	284	225	185	177	184	186	196	204	205	225	223	219	224	227	231	231	0	7 34	323	12 15	175	148
21			✓	235	237	243	248	255	265	283	305	305	305	254	213	204	201	193	196	205	205	216	216	224	261	257	246	240	1	7 32	316	14 45	191	125
22			✓	250	265	253	250	247	256	274	295	324	307	264	195	167	166	174	193	205	207	211	212	216	223	225	231	234	1	8 30	326	13 05	163	163
23				235	236	237	236	247	256	263	297	313	313	285	224	186	175	176	186	197	213	222	224	220	233	256	246	236	0	9 05	317	13 55	167	150
24				237	235	236	236	238	247	262	284	307	306	285	215	156	133	141	175	195	214	221	223	224	226	226	226	227	0	9 28	315	13 53	131	184
25				227	231	234	237	245	256	266	286	315	327	325	281	235	203	187	184	185	195	216	225	228	225	226	229	240	0	9 34	332	15 08	179	153
26	✓	✓		228	233	235	235	238	247	267	285	305	306	296	265	213	163	142	157	185	205	217	219	218	227	226	227	231	0	9 03	307	14 20	141	166
27	✓	✓		227	228	231	236	237	246	257	285	307	313	306	276	228	186	159	159	174	195	214	217	218	220	221	226	232	0	9 31	318	14 42	153	165
28	✓			228	229	229	230	229	237	248	269	300	311	310	288	247	196	164	156	166	183	196	208	215	217	221	226	229	0	9 45	314	15 15	152	162
29	✓			238	239	247	246	238	246	256	264	277	287	288	271	236	196	177	168	176	188	207	218	217	222	227	228	232	0	10 21	292	14 49	164	128
30	✓	✓		229	231	231	231	236	237	246	257	285	288	281	266	227	175	157	167	187	208	217	226	226	227	227	228	229	0	9 23	293	14 20	152	141
31				232	233	235	237	239	248	263	276	284	283	267	246	221	188	177	181	184	193	207	220	224	225	228	235	230	0	9 00	287	14 40	173	114
MEANS ALL DAYS				237	238	238	238	241	250	267	285	300	297	272	236	209	191	185	190	199	208	217	222	225	229	232	234	235						133
MEANS TEN DAYS ✲				234	236	237	238	241	247	261	276	294	296	282	256	224	195	182	182	190	200	210	216	220	225	226	230	233						130
MEANS FIVE DAYS † (G. M. T.)				235	236	237	238	239	246	260	275 278	294 295	296	285	262	226	190	174	178	191	204	214	218	222	225	226	231	234						
MEANS FIVE DAYS ‡ (G. M. T.)				238	242	239	241	243	248	259	279	312	305	267	222	201	191	187	195	209	213	220	220	222	234	235	235	236						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE. MAGNETIC STORM
= INTERPOLATED
= ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 139

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1939 — FEBRUARY 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	237	235	235	235	237	247	261	285	296	285	260	237	228	215	206	203	198	204	197	206	213	224	238	236	234	1	8 30	303	18 20	195	108
2				233	235	245	274	259	267	264	263	248	262	228	226	233	227	224	225	217	207	216	215	216	223	235	238	237	1	9 28	286	17 23	206	80
3				236	228	238	257	254	247	235	266	287	266	222	201	198	213	221	227	226	219	215	225	226	227	238	235	234	1	8 27	294	2 04	175	119
4				236	235	229	237	235	216	256	287	297	284	266	242	226	218	206	217	226	230	234	235	226	223	225	226	238	0	8 15	312	5 10	185	127
5				226	226	228	227	238	253	277	309	319	306	276	242	210	195	188	205	223	235	236	226	225	223	225	232	240	1	8 50	330	14 04	184	146
6			✓	235	228	226	216	203	206	247	287	315	327	293	242	196	147	137	167	195	213	228	237	260	322	289	297	238	1	21 17	378	14 11	131	247
7			✓	295	297	287	276	264	266	285	294	304	312	296	256	226	205	194	195	209	225	236	235	257	256	249	247	257	1	9 53	326	14 49	185	141
8	✓			260	256	223	237	237	236	256	277	304	316	303	265	208	178	156	166	189	207	217	222	225	226	228	228	234	0	9 29	317	14 31	150	167
9				226	226	222	217	218	215	226	272	305	336	327	287	229	184	163	167	187	213	227	238	237	228	229	227	234	0	10 02	337	14 40	161	176
10				228	225	213	226	234	213	248	245	265	288	284	265	225	206	195	184	189	204	213	215	216	222	225	232	228	1	9 50	303	15 35	183	120
11				246	272	263	245	244	247	265	284	275	292	276	245	216	192	166	172	179	195	225	235	226	225	228	233	235	0	7 55	314	14 43	155	159
12	✓	✓		232	231	233	233	235	242	256	267	284	287	283	264	234	207	182	170	180	194	205	213	215	217	225	226	230	0	8 30	293	15 24	168	125
13	✓	✓		233	235	234	234	235	235	245	262	274	276	273	255	222	194	182	178	188	197	206	209	214	215	216	224	226	0	9 56	278	15 05	176	102
14	✓			226	234	234	233	237	243	245	263	287	296	284	243	196	184	174	180	186	196	204	205	215	217	222	225	226	1	9 50	316	14 12	172	144
15				227	236	236	233	235	235	247	267	306	319	295	243	184	158	143	162	181	195	204	208	213	214	216	225	224	1	9 13	323	14 11	139	184
16				228	228	229	229	226	236	249	276	300	315	306	273	192	162	152	153	175	194	204	205	208	225	244	245	227	1	9 03	336	15 03	142	194
17				253	232	235	242	242	234	255	281	308	322	322	284	215	167	152	159	165	185	205	216	232	234	245	245	235	1	10 20	335	14 34	149	186
18				226	234	233	232	216	233	245	275	276	282	277	262	223	177	157	164	182	196	204	215	216	218	221	225	225	1	8 17	287	15 30	141	146
19				230	227	234	235	237	241	228	246	276	278	265	245	215	192	176	175	186	197	208	214	227	225	234	232	226	1	9 31	286	14 30	174	112
20	✓			232	227	227	227	214	228	246	274	303	315	285	234	198	179	177	187	204	214	216	215	215	215	216	224	228	0	9 40	326	13 37	175	151
21	✓	✓		235	244	235	234	233	235	245	275	311	322	297	247	194	165	159	166	186	205	215	215	215	215	218	219	229	0	9 35	328	14 00	153	175
22	✓	✓		224	225	225	226	226	230	244	266	305	322	316	285	235	184	155	160	174	194	204	206	206	214	216	223	228	0	9 57	326	14 50	151	175
23	✓			224	233	233	226	226	234	241	262	285	306	305	278	232	191	165	170	183	198	214	215	216	214	216	224	229	0	10 00	315	14 29	164	151
24			✓	224	225	226	227	224	222	236	272	312	326	327	285	216	172	163	173	186	204	214	216	235	242	246	271	235	2	10 29	338	14 05	152	186
25			✓	295	345	342	312	336	265	258	261	242	232	269	256	199	174	147	157	178	205	220	212	224	229	224	242	243	2	2 01	388	5 33	99	289
26	✓			276	256	235	233	225	235	254	279	305	314	312	295	259	218	194	192	194	206	217	219	222	224	225	228	242	0	9 35	315	15 47	186	129
27	✓	✓		226	227	226	225	224	227	232	255	287	312	325	312	272	224	184	168	174	186	204	212	215	228	231	226	233	0	10 23	326	16 05	162	164
28				226	226	226	229	233	237	245	257	277	286	288	275	232	193	173	173	182	197	208	214	218	224	224	227	228	0	10 20	295	14 43	165	130
29																																		
30																																		
31																																		
MEANS ALL DAYS				238	240	238	238	237	237	250	272	291	299	288	259	218	190	175	179	191	204	214	218	223	227	230	234	233						155
MEANS TEN DAYS ✲				237	237	230	231	229	234	246	268	294	307	298	268	225	192	173	174	186	200	210	213	216	218	221	225	231						148
MEANS FIVE DAYS (G. M. T.) †				227	231	230	230	231	236	244	265 262	292 286	304	299	273	231	195	172	168	180	195	207	211	213	218	221	224	229						
MEANS FIVE DAYS (G. M. T.) ‡				272	278	266	267	264	254	263	275	294	296	289	255	213	183	169	179	193	210	219	221	238	255	249	259	244						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 140

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1939 — MARCH 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				262	246	244	246	255	263	266	285	308	322	305	254	196	171	161	172	192	199	204	212	215	225	254	241	237	1	9	19 325	14	18 151	174
2				268	243	224	234	234	215	216	244	298	284	301	231	214	203	194	203	213	225	222	223	232	244	233	224	234	1	8	52 326	14	10 192	134
3				224	225	224	219	224	232	245	272	284	283	282	264	227	194	186	173	184	205	215	225	233	266	255	253	233	1	9	07 293	15	43 165	128
4				244	245	243	236	235	226	230	205	244	264	255	225	203	204	205	204	213	215	224	226	228	235	236	245	229	1	9	57 275	7	46 191	84
5	✓			244	261	234	216	230	214	206	215	243	266	265	243	214	194	175	184	194	214	224	223	234	233	225	226	224	0	10	11 273	14	48 174	99
6				233	236	234	213	224	225	212	228	266	276	274	253	214	189	182	175	185	203	214	237	224	234	229	235	225	0	10	37 283	15	50 173	110
7	✓	✓		233	232	228	223	208	212	226	262	289	287	283	263	214	193	184	183	194	205	216	215	219	218	221	224	226	0	9	10 296	15	00 182	114
8				225	224	224	223	224	225	244	264	285	295	287	260	217	184	173	184	192	203	215	213	215	222	224	225	227	1	10	13 302	14	21 172	130
9				225	224	216	218	223	231	242	255	283	285	293	274	224	191	154	139	138	173	194	203	214	215	235	233	220	1	10	24 312	16	05 118	194
10	✓			234	244	232	221	225	233	244	256	283	291	275	263	229	203	182	174	174	193	205	210	213	216	217	223	227	0	9	10 303	16	13 165	138
11				224	226	226	227	236	226	241	255	277	294	295	274	244	213	184	185	177	184	204	205	214	215	217	224	228	0	9	54 304	16	53 173	131
12				215	235	229	227	228	235	239	245	254	282	283	255	227	206	185	183	192	202	206	214	216	220	226	254	227	0	9	30 287	15	00 176	111
13	✓	✓		238	232	234	214	225	235	243	235	271	292	284	255	221	193	181	171	174	184	196	223	214	216	223	224	224	0	9	53 298	15	45 163	135
14	✓			223	224	226	229	227	233	234	241	253	264	263	246	224	204	186	184	184	190	186	204	206	214	217	230	220	0	10	20 267	15	42 182	85
15				234	231	234	234	234	234	235	243	251	269	264	243	214	186	174	171	182	195	203	204	205	214	216	223	221	1	9	53 273	15	34 164	109
16				256	252	234	236	233	235	252	265	275	284	273	226	206	196	193	188	184	192	186	205	234	232	224	219	228	1	10	06 305	14	52 175	130
17				221	224	242	231	228	226	235	251	261	265	255	234	216	195	193	194	197	201	206	214	215	214	224	226	224	0	9	38 274	13	52 184	90
18	✓	✓		227	225	232	224	224	233	237	251	260	273	264	234	205	190	184	185	194	203	205	204	211	214	217	224	222	0	9	39 281	15	03 183	98
19	✓	✓		223	224	224	226	225	233	241	254	264	261	242	225	213	201	193	193	195	203	204	207	212	214	217	219	221	0	8	30 266	14	37 190	76
20	✓			223	224	224	234	237	241	244	248	272	283	265	233	212	194	191	193	197	203	213	212	214	214	215	217	225	0	9	21 285	14	24 184	101
21				223	224	223	223	224	230	233	253	275	286	273	233	196	173	171	161	162	173	193	194	217	222	225	223	217	1	9	24 294	16	20 137	157
22			✓	216	223	213	222	220	225	240	254	272	270	253	229	193	180	162	169	173	192	231	243	233	233	229	223	221	1	8	50 293	14	30 145	148
23				213	222	202	205	203	204	212	229	262	257	242	222	196	194	193	203	212	233	214	212	213	224	229	260	219	1	8	46 274	14	26 192	82
24	✓			242	223	223	226	210	194	209	241	274	284	273	244	223	204	194	200	210	215	215	223	213	224	234	233	226	0	9	59 292	14	43 193	99
25	✓	✓		231	233	233	234	232	223	233	253	271	273	251	223	213	191	188	192	204	213	213	214	217	220	221	222	225	0	9	26 275	14	18 184	91
26				221	220	223	224	224	229	240	244	253	261	250	233	213	198	193	193	204	210	207	212	217	218	220	224	222	0	9	43 263	14	55 190	73
27			✓	224	223	203	235	214	223	242	254	264	263	243	212	192	177	173	175	183	201	213	219	223	223	223	223	218	1	8	40 273	15	00 168	105
28			✓	234	244	242	202	241	214	203	244	267	271	257	242	212	194	181	182	193	204	207	218	233	243	217	283	226	1	23	18 295	3	05 140	155
29			✓	282	244	265	284	313	276	254	231	230	243	237	236	205	200	173	201	204	243	213	259	254	243	232	250	240	2	0	18 333	14	48 160	173
30			✓	223	245	243	210	184	205	213	213	241	254	265	252	241	223	210	203	213	214	233	222	235	254	234	233	228	1	10	02 273	4	10 163	110
31				215	224	235	233	203	214	224	240	253	252	243	234	227	216	211	209	213	213	223	233	223	222	243	254	227	1	22	41 264	1	00 170	94
MEANS ALL DAYS				232	232	229	227	227	227	233	246	267	275	268	242	214	195	184	185	191	203	210	217	221	226	227	233	226						118
MEANS TEN DAYS ✲				232	232	229	225	224	225	232	246	268	277	266	243	217	197	186	186	192	202	208	214	215	218	221	224	224						104
MEANS FIVE DAYS † (G. M. T.)				223	223	224	227	227	232	241	251 250	271 265	277	265	240	213	194	186	185	192	202	207	213	215	216	220	223	224						
MEANS FIVE DAYS ‡ (G. M. T.)				233	236	237	227	229	223	221	231	255	260	251	234	209	195	180	186	193	211	219	232	236	239	227	242	225						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 141

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1939

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				231	223	220	213	223	214	203	223	228	243	241	237	228	196	185	174	185	192	213	219	230	223	235	225	217	1	22	44	265	15	20	173	92
2				239	214	223	224	222	214	225	211	233	231	229	214	203	186	190	195	205	209	213	214	220	235	231	228	217	0	21	10	248	13	40	183	65
3				225	203	210	224	213	216	213	200	243	266	264	250	223	211	196	190	185	202	212	213	233	237	230	226	220	0	10	33	272	16	10	182	90
4				235	223	213	224	230	219	219	223	244	254	254	240	214	203	195	200	203	204	207	212	215	218	218	221	220	0	9	48	263	14	34	194	69
5				216	219	215	201	267	235	236	244	250	254	257	245	228	213	195	190	192	197	202	197	211	215	226	231	222	0	9	10	282	16	00	180	102
6	✓	✓		225	224	225	224	225	225	227	242	263	265	264	246	220	194	192	180	186	195	204	206	212	214	217	222	221	0	10	04	269	15	37	172	97
7	✓	✓		220	219	218	222	221	222	224	235	255	262	256	244	216	193	182	175	179	193	203	209	213	214	216	215	217	0	9	20	263	15	15	172	91
8				225	227	226	224	230	225	227	238	254	265	264	254	223	193	180	175	183	192	213	204	206	207	214	219	220	0	9	36	274	15	10	170	104
9				223	232	244	235	250	243	245	248	264	274	253	241	216	194	182	183	187	194	196	204	205	213	216	224	224	0	9	20	287	15	02	173	114
10				222	223	212	218	231	239	234	253	263	233	235	226	195	172	162	163	192	193	202	206	227	250	223	219	216	1	8	05	290	13	57	139	151
11				231	233	224	191	215	222	231	235	246	263	270	263	232	210	193	172	179	192	205	224	206	216	223	216	220	1	10	28	273	15	43	153	120
12				223	209	204	224	212	224	209	218	241	253	256	243	224	196	182	178	202	213	213	213	240	221	215	219	218	1	20	32	283	15	14	166	117
13	✓	✓		216	219	215	218	220	215	216	231	255	271	279	264	236	202	181	186	189	194	203	213	212	220	225	223	221	0	10	13	283	14	43	175	108
14	✓			214	212	213	204	214	218	223	232	246	261	259	253	232	204	173	176	182	190	199	204	211	213	218	219	215	0	9	24	263	14	13	172	91
15	✓	✓		213	222	221	222	216	216	223	226	246	255	253	243	222	202	192	190	183	191	203	209	213	213	224	225	218	0	9	55	259	14	54	182	77
16	✓	✓		222	218	214	217	213	224	231	243	254	253	247	232	213	200	186	181	183	192	202	205	211	214	214	216	216	0	8	32	257	15	32	178	79
17			✓	217	216	215	216	221	215	224	237	253	245	259	264	221	202	160	136	137	163	220	270	258	304	291	322	228	2	21	50	406	16	50	86	320
18			✓	303	234	223	218	209	205	233	250	263	263	262	250	233	214	197	198	213	192	200	213	275	254	255	220	232	2	0	03	335	16	56	180	155
19				250	215	231	230	229	224	234	205	232	237	238	228	209	191	181	183	199	204	209	213	212	242	262	264	222	1	0	50	273	14	07	149	124
20				262	224	219	201	189	200	214	204	222	234	233	223	212	192	193	199	214	212	205	211	231	220	231	242	216	1	0	21	275	14	30	182	93
21				215	232	226	222	222	231	233	233	243	252	249	232	210	191	173	192	200	202	213	221	220	229	225	223	220	1	9	59	263	15	45	164	99
22				231	233	222	212	202	199	202	210	243	251	234	215	202	190	194	202	209	213	212	211	211	220	233	263	217	1	23	52	281	13	54	186	95
23			✓	264	252	202	223	223	219	213	216	230	243	257	232	203	186	201	186	193	207	234	244	260	272	273	280	230	2	22	56	376	16	14	135	241
24			✓	243	232	216	217	212	212	224	236	260	263	249	232	210	194	192	192	202	212	214	213	214	215	213	215	220	2	8	57	272	2	52	182	90
25			✓	212	194	109	191	108	210	230	172	203	274	275	252	223	212	213	212	213	218	227	225	243	233	230	223	213	2	10	02	329	4	28	6	323
26	✓			213	234	228	213	222	223	197	192	249	263	264	252	234	219	205	200	200	204	211	213	215	217	217	216	221	0	10	07	271	6	59	172	99
27				219	213	210	212	214	217	222	236	252	262	253	241	221	204	197	193	198	202	209	212	213	214	220	221	219	0	9	32	263	16	07	191	72
28	✓			223	225	217	216	219	204	183	201	210	232	242	230	219	203	184	174	179	197	209	214	214	216	239	232	212	0	10	10	250	6	50	169	81
29	✓			222	217	213	202	202	202	203	212	236	254	262	243	229	208	190	174	176	196	209	203	213	218	219	222	214	0	10	24	267	15	55	139	128
30	✓			217	219	229	217	212	212	212	222	234	258	266	261	242	222	201	186	185	193	202	204	209	214	221	231	220	0	10	31	268	15	50	182	86
31																																				
MEANS ALL DAYS				229	222	215	216	216	218	220	224	244	254	254	242	220	200	188	184	191	199	209	214	222	226	229	231	219								119
MEANS TEN DAYS ✻				218	221	219	216	216	216	214	224	245	257	259	247	226	205	189	182	184	194	204	208	212	215	221	222	217								94
MEANS FIVE DAYS † (G. M. T.)				220	218	217	217	220	221	226	235 237	255 252	261	260	246	221	198	187	182	184	193	203	208	212	215	219	220	218								
MEANS FIVE DAYS ‡ (G. M. T.)				244	222	201	214	196	215	224	211	242	258	260	246	218	202	193	185	192	198	219	233	250	256	252	252	224								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 142

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1939 — MAY 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	218	223	201	227	218	215	219	230	250	256	251	238	220	210	200	197	199	200	202	210	261	271	252	272	227	1	22	02 313	2	18 178	135
2			✓	280	280	271	261	222	188	211	200	151	160	210	223	224	216	199	199	179	192	187	208	210	231	231	241	216	1	3	35 313	5	22 134	179
3				231	238	229	233	243	246	232	230	251	240	221	220	200	198	190	189	169	178	206	210	216	220	229	230	219	0	8	55 261	16	15 166	95
4	✓			228	219	215	219	220	221	222	232	230	241	230	218	202	200	199	198	189	191	197	199	210	213	214	215	213	0	9	24 243	16	40 179	64
5				212	215	213	209	213	216	220	221	239	243	236	223	210	198	179	188	179	190	200	205	210	211	220	230	212	1	9	51 252	16	33 172	80
6			✓	231	221	220	215	211	198	219	222	246	250	248	233	220	202	188	175	179	190	196	201	203	249	241	251	217	1	23	47 308	15	53 169	139
7			✓	224	241	220	227	209	221	221	199	220	251	210	223	230	215	170	171	158	181	181	201	217	228	260	252	214	1	22	50 272	16	39 138	134
8			✓	230	230	221	210	203	210	218	234	251	271	267	264	234	202	179	167	158	188	185	210	219	243	241	232	219	1	9	25 288	16	23 135	153
9				222	220	210	205	202	207	200	211	229	241	254	251	234	210	189	189	178	200	197	209	217	220	222	220	214	1	10	33 261	17	00 172	89
10	✓			214	210	218	212	215	210	213	220	238	246	249	243	231	210	198	180	179	190	200	210	211	212	217	216	214	0	10	00 254	16	30 178	76
11	✓	✓		215	211	214	210	211	211	212	220	242	251	253	241	221	207	188	180	181	189	193	199	204	210	219	219	213	0	10	00 260	15	59 170	90
12	✓	✓		218	216	215	210	211	212	212	220	240	251	260	251	236	210	190	185	189	197	200	203	212	210	220	218	216	0	10	35 261	15	37 180	81
13	✓	✓		216	212	210	212	215	216	214	218	233	251	251	240	220	200	178	161	167	189	200	208	208	220	221	220	212	0	10	06 256	15	51 158	98
14	✓	✓		220	220	219	218	218	205	216	216	230	242	244	238	220	200	188	181	190	200	202	209	210	217	218	218	214	0	10	02 251	15	26 179	72
15	✓			212	210	211	210	211	210	210	212	225	243	243	235	218	200	169	169	169	180	198	211	224	233	230	241	211	0	21	48 252	15	02 161	91
16				220	212	210	209	201	200	200	209	228	241	240	223	197	178	169	150	160	194	205	210	220	241	222	220	207	1	10	15 257	15	40 138	119
17				212	210	210	210	209	209	211	220	230	243	248	239	221	201	207	189	186	198	204	207	219	212	213	229	214	0	10	10 256	15	50 183	73
18	✓			239	222	209	180	201	208	200	207	205	206	219	219	208	200	189	179	187	200	201	208	215	228	232	231	208	0	0	20 247	3	04 143	104
19				228	221	221	211	208	201	183	178	188	211	220	225	207	198	188	179	189	198	202	210	211	230	213	212	206	0	0	26 233	7	01 169	64
20				210	201	200	213	213	203	171	180	190	200	211	211	210	208	199	179	176	189	200	210	215	220	220	243	203	0	23	27 254	6	23 161	93
21				237	227	220	212	211	211	217	211	198	222	222	219	209	199	185	184	187	195	207	209	216	238	250	247	214	0	22	42 261	14	37 178	83
22				247	238	240	220	217	218	197	189	218	209	213	223	211	180	177	169	164	199	218	217	221	229	245	241	212	1	17	49 262	16	32 148	114
23				219	210	209	210	209	209	207	160	214	222	238	243	229	209	177	171	176	197	210	227	219	220	219	230	210	1	11	10 250	7	27 135	115
24				229	247	209	206	199	199	178	167	181	228	230	209	207	199	197	179	189	200	208	209	211	215	219	250	207	1	23	50 272	8	02 145	127
25				222	219	223	218	207	198	199	208	218	197	218	220	219	209	197	184	187	199	203	217	219	223	231	219	211	1	0	00 260	14	36 168	92
26				224	211	209	209	198	182	178	180	198	229	225	220	209	199	188	179	185	209	209	209	219	220	227	229	206	0	23	36 260	4	56 163	97
27				217	210	207	187	200	199	197	188	200	217	219	217	209	211	198	174	177	196	207	209	211	218	218	216	204	0	0	04 229	15	27 168	61
28				209	209	207	208	206	197	189	168	202	209	227	242	229	219	187	167	158	185	189	197	204	210	217	219	202	1	11	03 250	16	24 144	106
29				216	211	209	207	208	209	199	192	193	209	210	202	199	198	197	187	147	168	190	209	237	240	220	230	204	1	21	20 277	16	13 133	144
30	✓			219	228	209	219	210	202	217	213	229	243	250	242	231	215	189	177	177	184	193	196	207	212	220	220	213	0	10	10 251	15	07 172	79
31	✓	✓		216	210	210	209	209	209	209	207	217	229	229	228	214	209	192	180	188	194	199	201	209	209	210	211	208	0	9	47 232	15	16 177	55
MEANS ALL DAYS				224	221	216	213	211	208	206	205	219	231	234	230	217	204	188	179	177	192	200	208	216	224	226	230	212						100
MEANS TEN DAYS *				220	216	213	210	212	210	212	216	229	240	243	236	220	205	188	179	182	191	198	204	211	216	220	221	212						81
MEANS FIVE DAYS † (G. M. T.)				215	213	212	212	212	209	209	216 213	232 228	245	247	240	222	205	187	177	183	194	199	204	209	213	218	217	212						
MEANS FIVE DAYS ‡ (G. M. T.)				237	242	230	227	216	214	216	215	224	238	237	236	226	209	187	182	175	190	191	206	222	244	245	250	219						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE. MAGNETIC STORM
= INTERPOLATED
= ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 143

DECLINATION

JUNE 1939 — JUNE 1939

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				211	209	207	208	206	201	195	198	214	230	242	243	229	230	210	181	180	190	199	201	210	211	218	221	210	0	11	10 250	16	13 176	74
2				226	227	218	213	210	211	210	204	211	220	232	227	215	201	198	181	167	172	176	190	200	212	221	229	207	1	0	20 242	17	03 157	85
3				244	240	231	218	210	217	212	210	211	221	220	214	200	192	182	171	177	193	193	210	201	211	218	221	209	0	0	38 262	16	03 159	103
4				228	223	214	215	219	208	212	207	217	225	222	219	206	209	192	171	190	199	203	206	211	220	211	219	210	1	0	10 234	15	21 157	77
5				198	220	212	215	215	212	219	211	220	227	231	222	201	192	180	183	190	195	202	210	221	220	219	219	210	0	20	57 240	14	26 168	72
6	✓			209	211	211	210	211	212	212	215	222	232	234	227	207	191	178	175	182	195	200	207	209	212	212	212	208	0	10	05 242	15	15 170	72
7	✓	✓		211	210	210	212	211	213	212	212	221	228	232	223	209	194	185	182	197	201	206	208	211	212	212	213	209	0	10	22 235	15	23 178	57
8	✓	✓		212	211	212	213	210	211	211	211	222	239	240	223	210	195	180	174	181	199	202	207	210	212	212	214	209	0	10	05 247	15	00 169	78
9	✓	✓		212	210	208	205	209	210	210	211	222	231	231	229	217	202	191	190	192	201	207	211	211	211	212	212	210	0	10	03 234	14	21 188	46
10	✓			211	210	209	209	209	210	212	213	217	230	231	228	209	200	189	180	192	201	210	211	211	212	212	213	210	0	9	21 242	15	45 177	65
11	✓	✓		211	210	208	207	207	209	210	209	210	218	213	206	198	190	183	188	192	199	203	203	212	213	214	213	205	0	9	30 220	15	00 180	40
12	✓			211	210	210	209	209	208	210	208	211	220	223	216	201	190	180	171	183	192	208	209	211	220	219	219	206	0	10	07 229	15	30 169	60
13				212	209	205	206	209	208	208	209	220	228	220	219	212	200	180	174	180	192	200	204	211	212	216	219	206	0	9	44 237	15	55 168	69
14			✓	213	201	206	199	181	200	200	187	208	179	187	206	204	180	180	172	161	174	180	218	213	231	232	249	198	2	23	50 284	16	13 135	149
15	✓			250	247	220	201	190	187	190	196	201	210	210	215	210	200	191	189	193	200	209	219	212	219	222	222	208	0	0	00 270	15	49 183	87
16			✓	217	212	211	208	201	200	197	199	212	221	214	217	217	200	189	166	180	207	200	210	231	239	240	250	210	1	23	20 251	15	35 125	126
17	✓			231	220	210	208	209	208	209	210	218	230	238	236	220	201	192	191	195	202	209	211	212	215	215	214	213	0	0	02 248	15	40 189	59
18				210	208	205	203	203	203	207	209	220	222	219	227	210	199	182	183	180	181	202	210	220	226	270	238	210	1	22	12 289	17	50 168	121
19			✓	228	230	233	207	211	206	209	188	187	189	199	206	199	198	182	181	188	197	210	214	228	230	228	231	207	1	21	06 261	14	38 169	92
20				207	202	201	207	195	195	183	160	180	210	221	221	220	190	192	179	188	200	211	212	220	219	225	227	203	0	11	57 231	7	54 147	84
21				220	212	210	211	210	211	214	210	219	228	235	220	210	211	200	204	188	193	203	227	218	223	220	220	213	1	19	42 245	16	30 181	64
22				210	210	207	211	209	207	199	197	210	219	223	229	210	200	181	179	185	200	220	211	213	214	215	215	207	0	11	00 233	16	12 171	62
23				219	211	210	210	210	202	200	204	200	219	220	221	210	209	191	180	190	201	204	209	212	220	218	211	208	0	9	41 230	15	46 177	53
24				219	208	206	200	202	205	201	200	213	230	234	217	201	181	174	180	190	200	207	211	214	220	219	218	206	0	10	38 239	14	21 169	70
25	✓	✓		211	209	202	200	200	205	200	204	217	229	231	221	209	197	181	180	189	200	204	209	209	211	214	211	206	0	10	27 232	15	23 179	53
26				211	207	202	200	200	198	200	210	229	239	241	240	219	200	180	169	179	190	200	201	209	210	212	210	206	1	9	12 249	15	37 168	81
27			✓	212	209	200	199	192	203	207	218	200	230	233	221	197	179	161	169	171	177	179	189	211	219	222	229	201	1	10	16 241	14	51 124	117
28				230	228	219	210	210	209	210	208	218	229	233	230	219	207	189	185	187	194	199	201	204	209	212	220	211	0	10	08 239	15	09 180	59
29			✓	222	220	219	203	200	204	179	183	189	218	228	213	200	190	178	160	179	180	199	200	230	221	219	241	203	1	23	42 280	14	48 143	137
30				211	212	217	210	209	209	209	205	217	227	242	240	225	207	181	171	172	198	190	206	210	213	226	219	209	0	10	56 250	16	15 161	89
31																																		
MEANS ALL DAYS				217	215	211	208	206	206	205	204	212	223	226	223	210	198	185	179	184	194	201	208	213	217	220	222	208						80
MEANS TEN DAYS *				217	215	210	207	206	207	208	209	216	227	228	222	209	196	185	182	190	199	206	210	211	214	214	214	208						62
MEANS FIVE DAYS † (G. M. T.)				211	210	208	207	207	207	209	209 211	218 220	229	229	220	209	196	184	183	190	200	204	208	211	212	213	213	208						
MEANS FIVE DAYS ‡ (G. M. T.)				226	222	213	207	203	202	200	196	199	207	212	213	203	189	178	170	176	187	194	206	223	228	228	240	205						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 144

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1939 — JULY 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				219	211	210	208	203	203	200	177	207	220	234	233	232	213	171	167	181	184	191	193	200	208	211	212	204	0	11 20	241	14 52	157	84
2				216	210	207	210	204	200	203	207	221	231	242	243	212	190	171	174	185	192	193	200	201	210	213	213	206	0	11 07	250	15 00	160	90
3			✓	211	209	202	200	201	205	201	200	210	222	228	231	212	208	182	170	159	172	158	169	230	221	228	221	202	1	21 03	291	19 02	136	155
4			✓	229	227	190	208	209	202	203	208	213	219	238	239	229	220	208	190	190	200	202	210	209	211	212	218	212	1	10 49	251	2 15	124	127
5			✓	199	258	230	254	247	221	219	211	220	230	232	210	187	152	133	124	141	147	179	157	220	231	257	338	208	2	23 47	405	17 10	85	320
6				288	281	251	229	199	181	192	201	207	219	227	220	211	200	173	172	181	210	201	209	214	219	217	219	213	1	0 01	360	15 02	167	193
7	✓	✓		219	212	210	210	207	209	207	209	220	232	247	250	231	218	200	189	190	200	204	208	209	216	213	210	213	0	11 07	252	16 04	183	69
8	✓			210	208	210	210	210	209	209	209	214	230	240	233	219	203	187	179	182	193	200	207	210	211	213	219	209	0	10 28	241	15 20	174	67
9	✓	✓		211	213	212	214	210	203	206	209	219	230	240	243	228	209	190	183	190	200	206	208	209	210	210	210	211	0	10 51	249	15 22	180	69
10	✓	✓		209	209	207	207	209	208	201	200	207	213	220	221	220	210	180	171	181	208	211	216	209	210	210	209	206	0	12 15	227	15 30	168	59
11				207	200	199	196	196	198	200	200	210	229	233	232	225	215	189	171	179	193	204	209	210	212	211	203	205	0	10 40	238	15 42	170	68
12				201	193	189	202	206	207	207	209	219	233	240	238	217	195	180	173	182	193	199	201	201	209	210	220	205	0	9 55	241	15 00	172	69
13	✓	✓		229	248	219	207	207	207	201	198	219	239	242	240	227	199	180	178	184	197	201	207	210	210	220	213	212	0	1 11	259	15 00	171	88
14				210	208	203	210	209	210	208	209	220	229	239	239	210	179	154	136	150	168	179	170	200	224	238	241	202	1	22 00	251	16 06	114	137
15				238	221	216	210	210	191	180	183	213	239	244	240	223	209	187	180	184	200	207	210	217	221	218	215	211	0	10 57	250	6 07	170	80
16				210	208	207	201	193	195	198	198	211	232	251	241	230	211	188	175	180	190	189	197	210	218	220	217	207	0	10 20	254	15 26	170	84
17				211	215	213	200	190	193	195	194	199	203	230	240	220	199	187	158	174	198	203	210	219	217	213	216	204	1	11 06	249	15 52	105	144
18				210	209	202	194	197	190	177	181	209	220	217	220	217	200	190	180	180	200	211	212	210	217	213	214	203	0	12 09	229	5 33	171	58
19				217	200	199	197	191	185	190	199	218	231	239	232	214	190	174	177	188	201	204	207	207	208	215	214	204	1	9 50	240	14 43	106	134
20			✓	205	198	198	194	194	188	167	174	166	189	218	217	204	183	171	167	167	166	170	177	214	226	288	237	195	1	22 20	338	14 00	147	191
21			✓	235	229	217	225	212	194	204	207	217	230	239	238	227	214	189	174	193	198	198	200	228	244	260	237	217	1	22 07	274	15 40	168	106
22				218	221	216	215	211	207	206	206	216	226	237	234	227	198	177	168	184	195	198	201	227	218	214	214	210	1	10 55	247	15 00	160	87
23				210	207	206	198	199	198	198	205	208	229	236	230	217	208	177	173	184	196	201	203	206	206	207	209	205	0	10 06	249	15 14	166	83
24	✓			204	201	199	198	200	201	204	198	211	226	231	232	224	214	192	177	177	191	199	206	210	211	213	209	205	0	10 41	237	15 13	167	70
25				208	204	204	200	200	198	198	197	201	219	229	228	207	177	156	147	164	188	201	208	212	216	217	218	200	0	11 16	239	14 50	130	109
26				218	211	207	200	202	204	201	197	207	226	236	234	217	187	150	137	134	138	177	196	214	243	229	219	199	1	21 36	254	16 52	111	143
27				227	220	217	208	210	208	208	216	224	236	246	237	232	216	189	177	166	177	188	197	204	217	223	218	211	0	11 13	248	16 24	157	91
28	✓			216	206	205	206	207	206	177	186	217	236	244	239	227	207	184	176	186	190	189	195	207	208	216	209	206	0	10 30	247	6 53	158	89
29	✓			214	216	207	204	198	204	205	195	208	227	237	234	224	199	183	177	179	196	200	204	207	208	210	209	206	0	10 58	241	15 24	170	71
30	✓	✓		207	202	197	191	194	197	197	197	217	238	247	247	234	209	176	167	173	189	198	198	202	203	204	212	204	0	10 54	257	15 20	164	93
31	✓			206	196	198	198	204	198	198	208	226	240	250	246	218	178	164	159	169	187	196	197	206	207	206	205	202	0	10 17	255	15 07	157	98
MEANS ALL DAYS				217	215	208	207	204	201	199	200	212	227	237	234	220	200	178	169	176	189	195	199	211	216	220	220	206						107
MEANS TEN DAYS ✲				212	211	206	204	205	204	200	201	216	231	240	238	225	205	184	176	181	195	200	205	208	209	212	210	207						77
MEANS FIVE DAYS † (G. M. T.)				208	204	203	204	206	205	203	203 205	216 215	230	239	240	228	209	185	178	184	199	204	207	208	210	211	211	208						
MEANS FIVE DAYS ‡ (G. M. T.)				234	243	221	226	216	201	205	207	205	218	231	227	212	195	177	165	170	177	181	183	220	227	249	250	210						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 145

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1939 — AUGUST 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MINIMUM (H M)	RANGE
1				205	203	198	200	204	198	195	198	219	246	269	268	250	219	188	168	172	189	199	200	200	207	208	208	209	0	11 14 271	15 42 158	113
2	✓	✓		206	206	206	205	205	202	199	199	219	237	249	249	236	209	187	175	178	188	197	198	200	207	209	209	207	0	11 17 256	15 27 170	86
3	✓	✓		207	205	199	199	198	198	198	198	217	230	246	249	239	219	191	178	179	195	198	199	202	203	205	207	207	0	11 10 250	16 00 174	76
4	✓			208	207	206	207	208	205	201	201	219	229	233	222	205	189	178	174	178	186	187	193	199	205	207	209	202	0	10 35 235	15 10 171	64
5	✓	✓		208	205	206	208	207	207	200	201	212	225	233	239	230	215	196	179	178	188	198	200	205	208	208	207	207	0	11 20 240	15 55 176	64
6	✓	✓		203	202	198	199	198	199	197	198	210	228	239	236	219	200	186	175	178	195	198	198	202	203	203	202	203	0	10 50 242	15 50 171	71
7	✓	✓		199	198	197	195	197	195	195	198	213	225	235	239	228	208	197	183	178	188	198	200	199	204	206	206	203	0	11 16 240	16 15 177	63
8	✓			200	198	198	197	198	198	198	199	212	223	229	230	207	197	188	187	184	194	198	203	202	202	203	205	202	0	10 40 232	16 07 178	54
9	✓			199	198	198	200	200	199	198	199	216	229	239	234	208	190	167	165	170	185	195	198	203	207	208	208	201	0	10 35 242	15 20 158	84
10				207	206	206	201	198	197	195	198	215	229	238	237	229	214	188	178	175	178	160	189	200	208	209	210	203	1	11 04 239	18 16 142	97
11				219	239	236	219	219	209	198	206	217	229	233	235	231	218	198	188	185	191	199	200	207	209	209	209	213	1	1 36 250	16 00 182	68
12			✓	198	195	196	195	195	195	195	194	218	239	259	268	239	187	137	89	139	139	168	199	215	218	234	203	196	2	11 17 348	15 33 71	277
13			✓	203	198	197	188	186	141	157	205	219	218	240	242	240	229	209	191	179	189	205	206	218	219	219	219	205	1	10 14 270	5 48 106	164
14				198	208	205	193	188	190	196	209	219	222	229	229	210	199	188	170	168	188	199	206	209	209	209	209	202	0	10 53 238	16 08 164	74
15				208	207	205	206	206	203	199	208	227	246	254	254	241	219	188	155	157	178	189	197	199	201	205	204	206	0	11 05 258	15 57 147	111
16			✓	200	200	201	199	199	198	198	191	202	226	245	255	245	215	171	157	166	181	179	178	209	222	245	301	208	1	23 36 333	15 54 154	179
17				270	224	222	215	208	209	190	162	168	177	208	229	224	217	198	177	175	178	177	186	189	207	215	218	202	1	0 10 312	7 35 128	184
18	✓			218	208	208	207	205	205	198	198	212	229	243	243	237	225	208	185	174	186	196	196	197	198	208	208	208	0	12 10 249	16 24 169	80
19				207	208	208	206	207	205	196	195	206	224	239	239	229	215	188	177	172	182	196	197	198	199	208	229	206	0	24 00 258	16 02 167	91
20				237	207	198	198	198	198	198	203	219	237	249	260	256	229	209	187	178	185	193	198	198	200	203	207	210	0	12 00 264	16 40 177	87
21				207	208	207	207	207	202	198	197	200	215	231	239	239	221	197	179	178	188	190	191	197	208	205	203	205	1	12 02 246	16 20 177	69
22			✓	208	208	208	208	209	209	219	211	219	243	270	199	243	219	199	182	155	158	183	199	227	229	358	281	218	2	22 33 422	20 24 129	293
23			✓	261	261	284	270	291	259	230	147	106	116	172	177	177	178	168	174	180	199	213	202	207	217	240	229	207	2	4 20 323	8 38 75	248
24				228	229	230	226	209	219	225	235	239	245	255	243	220	202	175	164	175	177	188	196	206	229	220	219	215	0	21 55 261	15 12 157	104
25				217	215	208	196	204	204	203	208	229	257	268	260	235	199	160	147	156	177	185	203	199	207	213	211	207	0	10 20 271	15 18 143	128
26				211	211	211	209	200	201	199	199	229	258	271	268	241	206	168	150	159	178	186	191	206	204	209	210	207	0	10 43 272	15 35 147	125
27				217	218	209	209	205	200	199	199	223	250	260	260	250	219	182	168	168	178	189	189	192	199	211	219	209	0	11 43 262	15 58 165	97
28				212	216	209	209	199	199	207	209	227	250	260	253	230	199	168	157	165	180	187	189	196	198	207	209	206	0	10 27 261	15 20 156	105
29				213	209	209	210	207	201	201	209	229	250	271	261	232	207	176	157	168	179	188	188	189	199	201	202	206	0	10 55 279	15 40 156	123
30				207	208	209	207	208	202	200	209	229	240	240	229	209	185	157	156	168	178	178	169	188	190	206	217	200	0	10 03 244	15 10 151	93
31	✓			219	210	210	209	215	209	209	216	229	234	234	226	205	187	168	164	169	182	188	188	189	190	195	199	202	0	10 32 238	15 30 159	79
MEANS ALL DAYS				213	210	209	206	206	202	200	200	213	229	243	241	229	208	183	169	171	182	190	195	202	207	216	215	206				115
MEANS TEN DAYS ✲				207	204	203	203	203	202	199	201	216	229	238	237	221	204	187	176	177	189	195	197	200	203	205	206	204				72
MEANS FIVE DAYS (G. M. T.) †				203	202	200	199	200	199	198	199 199	214 214	229	240	242	230	210	191	178	178	191	198	199	202	205	206	206	205				
MEANS FIVE DAYS (G. M. T.) ‡				232	224	228	218	216	204	200	192	193	208	237	228	229	206	177	159	164	173	190	197	215	221	259	247	209				

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 146

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1939 SEPTEMBER 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		200	200	201	202	201	201	201	210	230	245	246	241	229	200	181	163	163	179	186	189	192	195	199	206	202	0	9	44	250	15 53	155	95
2				210	202	200	200	200	200	200	209	228	248	253	244	227	198	168	153	158	175	186	189	190	191	199	201	201	1	10	28	260	15 53	148	112
3			✓	200	199	210	200	199	197	200	210	226	250	252	177	182	179	168	169	159	169	190	200	203	201	202	202	198	1	10	17	275	14 57	156	119
4				200	198	190	191	178	180	200	216	231	242	241	241	231	210	191	179	179	186	189	190	195	198	199	200	202	0	10	20	251	4 53	154	97
5	✓	✓		200	200	201	200	199	200	201	216	236	245	252	251	228	200	179	169	169	180	189	190	194	195	199	199	204	0	10	53	256	15 50	166	90
6				199	199	196	196	190	191	198	190	230	257	270	261	240	203	179	158	158	172	186	189	193	198	201	208	203	0	12	00	283	16 37	157	126
7				200	201	200	199	194	196	204	217	241	282	282	261	228	189	165	150	156	176	182	186	196	199	200	202	204	0	10	20	290	15 58	147	143
8	✓			205	209	209	208	202	202	201	211	242	259	261	244	211	188	165	158	167	178	189	189	190	196	200	201	204	0	10	25	262	15 10	153	109
9			✓	203	201	200	197	194	195	200	218	236	247	243	228	198	169	148	159	160	182	210	194	210	243	230	211	203	1	9	48	263	14 52	133	130
10				206	192	190	191	179	186	209	221	238	251	241	222	200	190	179	171	177	178	183	187	193	209	199	220	200	1	9	50	256	3 47	155	101
11				204	198	198	190	182	200	210	221	231	232	242	241	209	188	176	169	172	179	186	188	194	194	196	198	200	0	9	58	262	4 02	159	103
12				199	199	197	196	200	200	201	212	240	262	273	258	238	200	172	167	179	180	190	200	196	197	200	199	206	1	10	47	276	15 06	160	116
13	✓			199	200	196	195	199	179	190	208	216	244	252	234	200	179	169	167	179	188	189	190	193	195	196	196	198	0	10	28	256	15 12	162	94
14				198	197	198	199	200	200	190	191	239	272	275	251	213	179	138	117	158	179	186	189	200	218	216	223	201	0	10	38	282	15 25	115	167
15	✓			211	200	194	194	189	189	189	220	250	280	277	251	214	184	169	160	169	178	187	189	191	192	192	196	203	0	9	39	290	15 42	158	132
16	✓			198	196	196	199	194	192	187	194	237	260	260	247	216	185	161	150	157	169	181	190	197	205	210	205	199	0	9	50	264	15 35	148	116
17			✓	200	197	190	192	198	200	210	227	252	262	262	243	200	169	152	140	149	166	182	190	200	234	234	264	205	1	23	58	283	15 57	127	156
18				283	314	298	246	230	185	218	242	246	252	246	221	200	190	186	179	179	179	189	190	191	200	209	220	221	0	1	30	328	5 54	162	166
19			✓	200	200	199	200	202	202	206	216	236	252	243	224	194	166	144	139	127	138	161	170	190	217	221	262	196	1	23	21	293	16 54	118	175
20			✓	252	237	236	210	210	216	242	241	236	234	234	222	190	159	144	156	148	193	176	182	207	231	227	220	208	1	7	03	262	14 16	132	130
21				230	216	188	189	195	200	211	221	229	242	247	245	230	200	179	166	167	171	182	190	200	215	200	200	205	0	10	57	252	15 30	159	93
22				204	209	194	199	188	200	210	231	245	252	251	241	210	189	169	165	171	179	179	200	194	200	202	214	204	0	9	20	262	15 30	159	103
23	✓			219	210	203	200	207	200	200	227	262	268	262	235	195	158	138	139	158	178	190	190	193	198	200	200	201	0	8	54	272	15 07	136	136
24	✓	✓		201	200	200	201	204	198	205	220	248	262	264	235	200	158	139	148	158	169	171	176	192	195	200	203	198	0	10	07	272	14 36	138	134
25				207	200	200	201	195	199	205	225	249	262	266	241	200	169	148	146	149	166	179	177	189	191	194	200	198	0	10	20	270	14 53	139	131
26				220	213	200	200	198	199	214	232	252	270	269	225	191	179	156	158	169	183	189	189	196	200	208	201	205	1	10	44	298	14 41	151	147
27				198	199	189	196	195	199	205	221	244	261	257	240	209	198	169	162	162	168	179	190	186	190	192	192	200	0	9	26	267	2 54	147	120
28	✓	✓		194	201	199	199	190	187	202	222	251	261	266	247	209	179	164	148	158	169	179	179	185	189	189	191	198	0	10	04	271	14 49	140	131
29	✓	✓		192	191	191	189	189	189	197	212	244	259	258	232	197	170	156	148	152	168	179	179	179	185	189	189	193	0	10	26	261	16 00	137	124
30				191	191	191	189	189	189	198	212	232	240	241	220	192	166	148	148	159	176	186	180	189	191	204	202	193	0	10	20	249	15 00	138	111
31																																			
MEANS ALL DAYS				207	206	202	199	196	196	203	217	239	255	256	237	209	183	163	157	162	175	184	188	194	202	204	208	202							124
MEANS TEN DAYS ✲				202	201	199	199	197	194	197	214	242	258	260	242	210	180	162	155	163	176	184	186	191	194	197	199	200							116
MEANS FIVE DAYS † (G. M. T.)				200	197	196	195	193	194	200	216 210	242 237	254	257	241	213	181	164	155	160	173	181	183	188	192	195	198	198							
MEANS FIVE DAYS ‡ (G. M. T.)				234	231	220	205	198	193	216	228	237	249	247	219	193	168	151	153	149	170	184	187	202	225	223	232	205							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 147

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1939

OCTOBER 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				201	202	205	211	208	198	198	200	210	231	238	231	205	180	161	159	169	172	178	180	181	185	189	190	195	0	11	02	243	15	28	155	88
2	✓			190	189	188	186	187	187	190	219	241	260	251	230	193	159	139	142	149	170	179	180	181	186	187	190	191	0	9	48	262	16	03	136	126
3			✓	190	192	192	197	199	199	207	223	250	267	266	231	190	160	128	125	136	147	179	190	197	220	232	210	197	1	9	47	286	17	05	115	171
4			✓	214	250	282	287	304	286	251	262	227	260	221	165	159	169	167	169	185	199	197	197	223	234	226	211	223	1	4	10	341	11	45	118	223
5				204	201	172	190	194	197	210	230	241	250	242	224	208	170	160	159	160	176	201	185	190	209	210	202	199	1	9	40	252	14	25	152	100
6				201	206	200	170	191	202	221	244	231	229	221	197	157	147	162	159	159	173	170	184	201	201	205	212	193	1	8	00	252	13	37	138	114
7				214	211	201	199	175	199	221	242	259	255	259	242	214	190	169	159	160	176	180	180	180	189	201	209	204	0	8	55	271	16	00	154	117
8				229	229	225	209	201	221	215	231	252	247	225	221	213	178	160	159	170	180	185	187	188	188	195	194	204	0	8	34	255	15	49	157	98
9				191	190	190	193	187	170	190	202	223	221	225	207	194	178	149	141	160	164	174	180	203	250	221	213	192	1	21	17	283	15	33	124	159
10	✓			221	200	200	170	190	201	212	234	252	253	242	208	177	157	149	159	171	180	181	182	188	190	190	191	196	0	9	35	259	14	07	146	113
11				190	191	192	194	199	201	202	221	243	252	242	212	170	152	140	151	170	181	170	176	180	180	190	190	191	0	9	35	255	14	14	138	117
12	✓	✓		192	200	194	190	197	192	180	211	257	259	250	221	185	159	149	152	164	177	180	180	181	183	187	190	193	0	9	00	266	15	00	148	118
13			✓	190	192	195	193	194	199	211	235	257	262	273	221	179	129	91	109	123	159	170	182	181	181	187	201	188	2	10	05	324	14	26	67	257
14			✓	203	200	221	159	113	192	201	190	283	273	252	220	180	160	167	137	159	170	173	180	270	224	201	205	197	2	20	22	377	4	17	42	335
15			✓	201	160	199	221	180	203	230	249	266	240	222	229	180	107	139	160	173	187	201	200	190	193	201	201	197	1	8	37	283	13	30	57	226
16				211	195	199	201	202	212	221	236	262	255	236	211	201	147	139	128	159	170	187	192	201	218	225	216	201	1	8	30	268	15	25	124	144
17				226	200	229	220	201	219	224	231	250	251	234	201	169	130	129	139	157	170	197	213	190	190	203	222	200	1	9	05	263	13	39	119	144
18				221	231	193	216	211	201	219	233	252	262	242	221	178	144	129	137	157	163	190	185	198	206	215	221	201	1	9	14	273	15	20	121	152
19				230	224	240	211	202	202	217	224	231	252	252	231	201	178	154	149	149	168	197	188	190	201	211	219	205	0	9	59	262	16	29	143	119
20	✓	✓		230	212	196	180	210	211	221	225	237	252	251	231	199	165	140	137	147	161	169	180	181	188	190	192	196	0	10	20	255	15	19	128	127
21				197	197	198	201	201	205	214	231	247	262	263	242	198	151	115	99	130	145	170	180	181	205	204	196	193	0	10	04	273	15	22	95	178
22				191	192	192	198	194	201	208	212	242	263	260	231	192	159	138	140	153	164	179	180	188	187	187	187	193	0	9	50	268	14	41	134	134
23				190	190	189	178	166	187	220	242	258	263	250	218	170	137	119	119	135	144	170	173	190	228	206	219	190	1	9	27	271	15	03	108	163
24	✓			203	203	201	191	194	201	211	252	270	291	283	257	224	190	165	157	159	170	180	181	185	187	188	189	206	0	9	30	293	15	35	151	142
25	✓	✓		189	187	180	182	190	200	221	243	269	273	263	242	209	172	150	147	158	170	180	185	190	191	191	189	199	0	9	13	280	15	03	138	142
26	✓			187	187	186	186	190	200	213	235	261	265	252	221	178	149	129	136	150	170	177	177	179	182	187	190	191	0	9	13	273	14	50	128	145
27	✓	✓		197	190	187	180	169	190	211	242	261	263	252	232	191	161	149	143	156	167	170	171	177	180	181	184	192	0	9	10	264	15	20	139	125
28				185	185	190	190	192	201	215	234	253	258	237	199	149	129	122	134	149	170	179	191	191	183	180	182	187	0	9	12	263	14	15	118	145
29				187	191	191	187	191	197	219	222	252	265	246	203	170	148	131	139	155	170	177	180	181	187	190	190	190	0	9	20	273	14	47	126	147
30	✓			192	199	199	201	197	199	215	231	252	252	242	230	192	170	157	149	159	171	178	180	189	187	204	204	198	0	9	57	259	15	05	146	113
31	✓	✓		189	187	187	201	195	203	218	232	261	247	235	205	170	143	128	136	149	162	170	170	177	180	190	187	188	0	8	32	262	14	45	123	139
MEANS ALL DAYS				202	199	200	197	194	202	213	230	250	256	246	220	187	157	143	143	156	169	180	184	191	197	199	200	196								149
MEANS TEN DAYS *				199	195	192	187	192	198	209	232	256	262	252	228	192	162	146	146	156	170	176	179	183	185	190	191	195								129
MEANS FIVE DAYS † (G. M. T.)				191	191	193	194	196	203	216	231 236	257 257	259	250	226	191	160	143	143	155	167	174	177	181	184	188	188	194								
MEANS FIVE DAYS ‡ (G. M. T.)				207	201	215	212	199	218	223	233	257	260	247	213	178	145	138	140	155	172	184	190	212	210	209	206	201								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 148

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1939 — NOVEMBER 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1				195	195	197	201	203	212	225	245	268	274	251	222	191	158	137	140	162	178	181	183	181	183	185	187	198	0	9 22	275	14 28	129	146
2				194	201	201	203	202	207	212	231	253	254	233	184	137	109	103	127	151	171	181	180	180	182	189	188	186	0	9 19	264	14 40	100	164
3				188	188	188	190	191	200	212	227	243	253	239	220	185	154	134	134	150	178	181	189	202	191	191	192	192	0	9 29	258	15 05	129	129
4	✓			201	192	194	192	194	206	212	229	248	259	253	232	205	171	149	144	156	168	179	177	180	181	186	188	196	0	9 30	263	15 04	140	123
5				191	190	186	183	188	192	200	222	240	253	254	243	212	171	142	140	154	162	175	181	181	184	192	193	193	0	10 00	260	15 00	138	122
6				196	181	182	179	181	191	202	226	248	250	243	210	178	158	148	142	160	172	180	183	182	186	187	190	190	0	9 53	253	15 18	140	113
7				191	187	187	178	174	184	203	212	222	225	222	212	201	181	171	168	170	178	181	181	181	181	182	192	190	0	9 22	232	15 17	162	70
8	✓	✓		211	204	191	188	184	196	207	220	236	238	232	212	192	171	150	150	161	176	181	181	182	196	188	188	193	0	9 33	241	15 15	146	95
9	✓			187	185	181	181	185	191	203	219	231	238	235	220	181	153	140	148	160	176	180	178	180	181	184	190	188	0	9 06	241	14 30	138	103
10	✓	✓		191	188	181	184	184	190	197	209	223	238	224	208	173	156	156	158	163	172	180	180	180	181	182	188	187	0	9 35	242	13 45	152	90
11				191	196	192	191	191	192	201	219	233	238	231	212	181	159	147	145	155	162	172	174	178	181	188	191	188	0	9 05	239	15 15	142	97
12			✓	191	191	180	188	201	202	207	212	238	243	240	202	171	148	134	140	150	158	175	191	181	188	200	215	189	0	10 00	247	14 50	130	117
13			✓	212	201	198	198	202	211	221	237	250	248	232	192	154	129	104	93	108	136	189	208	198	213	212	202	190	1	8 49	270	16 42	88	182
14			✓	202	210	206	181	181	191	230	251	260	260	234	200	159	138	128	138	155	171	191	191	186	195	206	203	194	0	8 54	274	14 38	123	151
15				212	211	211	203	198	202	191	208	238	240	232	202	180	158	138	138	158	172	181	181	188	198	195	191	193	0	9 15	243	15 03	130	113
16	✓			197	191	191	181	181	195	212	236	244	248	232	209	171	143	130	134	150	161	171	176	182	182	184	191	187	0	9 28	253	14 35	128	125
17	✓			191	186	191	190	190	196	212	231	253	262	253	232	195	150	130	126	138	150	164	171	176	181	181	181	189	0	9 04	268	15 37	119	149
18	✓	✓		182	182	189	181	188	198	214	241	248	243	232	208	178	152	143	144	150	161	175	176	178	180	181	181	188	0	8 16	250	14 25	140	110
19				180	181	181	181	189	202	222	246	256	243	225	191	164	150	138	140	150	160	168	171	171	181	191	207	187	0	8 47	258	15 05	131	127
20				187	181	181	191	198	211	231	243	246	224	189	160	150	138	140	150	171	180	181	180	180	181	181	182	186	0	8 17	263	13 32	129	134
21				188	182	180	179	175	191	210	229	245	254	242	218	188	160	144	150	168	181	187	191	186	189	188	184	192	0	9 55	258	15 15	140	118
22	✓	✓		181	181	182	184	188	197	212	230	253	254	232	202	165	137	125	132	150	166	178	179	177	178	180	181	185	0	9 14	262	14 25	122	140
23	✓	✓		181	184	182	182	183	199	222	243	254	253	232	202	171	145	130	136	150	161	168	171	171	172	181	181	186	0	8 50	257	15 02	127	130
24				186	186	187	189	191	195	213	235	245	245	225	204	178	151	142	150	160	171	179	171	173	176	181	179	188	0	9 07	253	14 24	140	113
25			✓	181	183	181	182	189	192	202	232	244	233	215	202	179	160	148	158	166	175	181	181	190	191	187	191	189	1	9 05	256	14 27	140	116
26			✓	191	192	191	202	212	220	243	251	264	250	217	181	149	119	128	129	142	160	178	191	178	181	200	198	190	0	8 24	274	13 34	112	162
27				196	191	191	190	172	203	232	243	250	238	212	181	150	138	128	130	150	160	170	181	181	181	181	181	185	0	8 35	253	14 50	120	133
28				184	181	189	189	192	203	220	228	232	222	198	171	150	132	130	140	150	161	175	182	181	204	194	191	183	0	8 30	238	13 58	129	109
29	✓			188	188	189	191	191	202	216	242	254	255	230	191	160	140	128	128	140	160	171	171	179	188	191	192	187	0	9 23	261	15 00	119	142
30				188	183	182	189	191	193	210	232	249	244	223	192	167	150	138	135	146	164	172	176	180	185	188	193	186	0	8 11	253	15 00	129	124
31																																		
MEANS ALL DAYS				192	190	189	188	190	199	213	231	246	246	230	204	174	150	137	140	153	167	178	181	181	186	189	190	189						125
MEANS TEN DAYS *				191	188	187	185	187	197	211	230	244	249	236	212	179	153	138	140	152	165	175	176	178	182	184	186	189						121
MEANS FIVE DAYS † (G. M. T.)				185	186	185	185	188	196	212	229 232	243 244	245	230	206	176	152	141	144	155	167	176	177	178	181	182	184	188						
MEANS FIVE DAYS ‡ (G. M. T.)				203	201	199	195	193	205	223	238	251	247	228	195	162	139	128	132	144	160	183	192	187	194	201	202	192						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 149

DECLINATION

DECEMBER 1939

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				181	184	191	194	203	212	233	243	254	249	230	202	181	160	150	140	150	160	180	190	181	178	181	181	192	0	8 38	271	15 26	139	132
2				181	181	175	172	181	199	222	240	251	243	222	212	191	171	158	148	150	161	171	175	181	188	186	188	189	0	8 17	253	15 52	142	111
3				191	181	178	170	181	181	203	223	243	249	243	220	203	181	160	144	152	160	171	171	171	172	175	178	188	0	9 30	252	15 40	139	113
4	✓			181	181	176	171	181	189	181	223	245	243	233	212	192	181	171	160	160	170	178	178	176	176	181	181	188	0	8 33	257	16 08	158	99
5				181	182	182	183	188	196	212	223	239	233	220	201	179	159	150	150	152	169	172	181	182	199	204	205	189	0	8 47	243	14 55	148	95
6			✓	231	217	202	191	202	205	205	218	228	222	202	176	160	150	139	130	141	161	170	171	171	172	179	181	184	1	0 40	238	15 30	129	109
7			✓	181	177	171	181	150	182	162	220	243	244	212	171	160	132	121	122	130	123	144	151	177	177	212	213	173	1	9 00	268	4 30	102	166
8			✓	220	238	222	222	220	230	238	244	264	265	246	205	171	140	118	119	135	146	150	160	171	181	182	184	195	1	9 20	274	14 31	109	165
9				200	209	197	191	194	217	232	241	233	222	202	181	150	140	135	140	158	162	171	173	171	202	190	190	188	1	7 48	245	15 28	129	116
10				189	202	168	189	194	212	228	249	248	242	217	181	152	134	129	140	163	181	182	171	185	191	181	184	188	0	8 03	256	14 40	127	129
11				183	183	187	188	181	192	220	243	252	235	211	181	150	140	130	130	158	171	174	173	178	181	182	181	184	0	8 15	261	15 05	128	133
12				181	182	180	184	193	211	232	255	269	263	239	202	171	150	139	140	138	161	174	170	168	171	172	194	189	0	8 30	274	14 34	134	140
13	✓			191	191	191	186	193	207	203	243	253	253	230	189	157	130	125	140	150	161	175	180	180	183	188	191	187	0	8 21	262	14 35	120	142
14	✓	✓		186	184	183	181	186	197	217	241	254	254	242	206	171	145	134	132	140	152	165	170	170	171	172	182	185	0	9 20	258	15 10	130	128
15				181	182	183	184	187	193	210	233	243	252	242	222	193	168	148	138	140	158	171	179	176	182	192	213	190	0	9 29	258	15 23	132	126
16				212	191	182	174	178	193	212	230	232	235	222	202	173	144	124	119	130	156	172	170	170	171	173	180	181	0	9 33	239	15 26	116	123
17	✓			181	186	181	186	191	199	212	203	242	247	238	217	189	161	141	140	156	171	175	181	182	182	183	188	189	0	8 00	260	15 18	133	127
18	✓	✓		187	182	181	182	182	192	207	224	232	230	217	196	171	148	140	141	150	160	175	181	174	175	178	180	183	0	8 50	234	14 27	139	95
19	✓	✓		180	180	180	181	186	194	211	229	253	254	226	198	169	143	140	145	152	164	171	173	173	174	178	178	185	0	9 12	266	14 25	138	128
20	✓	✓		180	178	178	181	182	192	209	230	246	243	222	202	171	137	121	129	145	160	170	171	165	165	171	172	180	0	9 00	248	14 35	119	129
21			✓	174	175	175	180	181	200	216	234	249	256	239	202	189	160	138	139	153	170	181	170	170	181	201	201	189	1	9 27	263	14 35	128	135
22			✓	201	189	197	201	209	227	252	283	257	234	209	181	155	139	122	119	136	150	160	170	177	206	211	203	191	1	7 45	298	15 34	117	181
23				211	201	199	201	209	211	243	272	265	245	211	170	139	129	130	140	154	162	179	179	171	171	177	177	189	0	8 03	281	13 40	126	155
24				176	172	178	188	193	205	211	231	252	231	196	160	139	123	131	146	160	180	182	174	178	189	193	190	182	0	8 43	259	13 45	118	141
25				185	181	181	190	190	211	237	262	272	254	201	153	132	129	134	144	154	164	170	170	172	180	197	180	185	0	8 20	278	14 00	127	151
26	✓			180	180	181	188	199	210	230	250	262	251	211	150	94	83	95	120	140	151	162	169	173	179	185	188	176	0	8 44	263	13 07	74	189
27				182	182	182	185	192	208	232	256	278	265	232	173	138	121	121	132	142	155	172	173	173	182	190	215	187	1	8 51	293	13 05	120	173
28				194	190	172	161	182	203	229	253	244	242	221	191	160	151	145	150	160	172	173	173	189	193	191	180	188	1	8 40	260	14 22	141	119
29				175	181	182	184	190	193	209	223	240	256	220	162	124	120	125	153	167	174	182	182	176	190	177	182	182	0	9 33	257	14 08	113	144
30	✓			182	180	172	169	175	188	202	221	218	223	223	208	191	171	153	152	158	165	170	178	183	182	181	180	184	0	8 55	233	14 46	150	83
31	✓	✓		181	182	181	181	184	195	203	215	220	225	221	211	189	173	156	157	161	165	167	169	171	174	175	173	185	0	10 20	233	15 00	153	80
MEANS ALL DAYS				188	187	183	184	189	201	217	237	248	244	223	192	165	146	136	139	150	162	171	173	175	181	185	188	186						131
MEANS TEN DAYS *				183	182	180	181	186	196	208	228	242	242	226	199	169	147	138	142	151	162	171	175	175	176	179	181	184						120
MEANS FIVE DAYS † (G. M. T.)				177	178	178	180	183	194	210	228 226	241 241	241	226	203	174	149	138	141	150	160	170	173	171	172	175	177	183						
MEANS FIVE DAYS ‡ (G. M. T.)				203	203	197	199	196	213	225	252	248	244	222	187	167	144	128	126	139	150	161	164	173	183	197	196	188						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

= APPROXIMATE, MAGNETIC STORM

= INTERPOLATED

= ESTIMATED

= LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 150

HORIZONTAL INTENSITY

JANUARY 1939 — 23978 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — JANUARY 1939

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		722	722	723	722	719	717	712	712	725	733	736	739	742	746	747	744	741	741	735	725	728	722	720	725	729	0	13	36	750	6 55	709	41
2	✓			724	724	721	720	720	722	723	722	723	722	724	728	728	733	733	731	735	730	714	717	715	717	719	719	724	0	16	22	738	18 12	706	32
3	✓	✓		722	723	723	723	731	731	730	721	721	721	718	724	732	738	739	729	728	725	726	726	726	726	720	721	726	0	14	19	745	9 05	715	30
4	✓			721	721	722	725	724	726	726	726	715	711	713	718	730	741	745	739	730	729	725	727	726	725	725	727	726	0	14	10	748	9 10	710	38
5			✓	729	730	730	732	736	741	742	730	730	741	751	766	748	743	745	737	735	731	731	732	725	718	722	722	735	1	12	05	778	21 27	712	66
6				726	723	720	718	715	715	710	708	703	698	701	711	716	719	728	732	729	729	728	721	715	715	715	716	717	0	15	34	735	9 52	695	40
7				719	716	713	712	714	716	716	714	703	688	670	668	677	687	699	712	719	719	711	719	716	718	720	716	707	0	0	23	726	10 33	666	60
8				716	718	717	716	714	720	721	712	706	683	676	693	714	723	723	723	721	714	708	709	711	713	711	709	711	0	14	14	727	10 00	668	59
9			✓	713	713	708	705	708	712	713	705	686	669	665	663	664	676	687	696	702	694	688	692	703	702	704	705	695	1	16	13	718	12 04	660	58
10				704	705	710	708	706	704	708	705	690	680	678	680	674	678	694	703	699	710	709	709	694	694	699	706	698	0	19	10	714	12 46	667	47
11				708	709	709	708	713	715	717	708	684	668	665	677	688	690	697	717	726	715	703	704	701	703	709	712	702	0	16	19	733	9 46	660	73
12				712	707	703	704	706	712	713	711	698	692	684	682	677	677	675	685	707	718	717	717	725	718	718	724	703	0	20	10	729	14 28	674	55
13	✓			721	720	721	721	721	723	725	720	705	694	691	698	702	700	697	699	713	721	726	724	724	723	723	721	714	0	18	40	729	10 13	689	40
14				720	720	720	720	722	727	730	728	723	725	714	705	697	698	704	706	716	721	723	718	714	712	726	715	717	1	22	44	735	12 41	685	50
15				704	709	713	714	715	719	720	722	720	715	709	697	689	687	687	695	697	701	707	711	714	715	714	713	708	0	7	44	723	12 17	684	39
16				713	715	712	711	712	712	708	700	697	696	698	696	694	694	704	718	730	730	730	728	723	725	727	725	712	0	17	53	735	13 01	691	44
17			✓	719	717	720	720	722	722	725	724	705	690	678	667	650	655	667	678	686	697	698	689	683	694	695	698	696	1	6	43	729	12 49	648	81
18				703	708	710	713	719	715	714	706	700	688	687	690	688	687	691	695	715	715	714	712	711	712	711	708	705	0	4	36	724	10 09	682	42
19				709	707	708	709	707	708	707	702	697	690	675	674	680	685	694	709	721	719	712	713	715	716	717	714	704	0	17	00	726	10 50	667	59
20				712	711	714	716	721	721	722	723	703	683	693	712	719	711	700	700	703	705	708	715	715	713	711	712	710	0	7	22	728	9 21	680	48
21			✓	717	718	715	710	708	711	712	704	698	685	675	683	701	709	712	706	712	702	704	702	715	717	714	700	705	1	22	03	723	10 08	673	50
22			✓	704	713	731	705	705	708	710	707	692	678	690	724	730	730	731	721	720	717	715	715	714	714	710	714	712	1	2	17	741	9 26	676	65
23				714	713	722	718	712	713	713	700	686	674	676	674	683	688	699	706	709	700	701	703	708	711	719	704	702	0	22	30	729	11 46	671	58
24				700	702	705	707	705	710	716	716	704	683	675	693	709	711	708	714	716	714	714	712	716	711	708	708	707	0	16	19	720	10 20	674	46
25				707	709	709	711	711	712	719	720	714	707	693	687	690	684	691	709	724	731	724	719	721	717	716	715	710	0	17	48	733	13 51	680	53
26	✓	✓		714	714	716	715	714	719	724	724	720	706	691	685	691	702	714	722	725	722	720	721	720	718	720	718	714	0	16	19	727	11 54	681	46
27	✓	✓		715	716	717	718	718	721	726	727	720	706	680	662	664	678	688	703	718	727	726	725	724	724	724	723	710	0	7	05	729	11 50	661	68
28	✓			723	723	726	726	728	731	740	747	744	737	724	707	688	686	697	714	733	740	736	733	728	728	732	734	725	0	7	40	748	13 03	683	65
29	✓			734	726	726	722	723	725	734	734	728	727	717	695	679	677	684	697	710	718	720	721	723	723	723	721	716	0	0	42	739	12 52	673	66
30	✓	✓		721	721	721	722	723	727	734	739	737	730	712	699	697	697	709	722	727	725	723	720	718	719	719	717	720	0	7	08	740	12 21	691	49
31				717	717	719	725	724	727	732	731	729	726	719	703	693	695	700	712	723	719	716	715	718	718	715	712	717	0	6	57	735	12 42	690	45
MEANS ALL DAYS				716	716	717	716	717	719	721	718	710	701	696	697	698	701	706	712	718	719	717	716	716	716	716	715	712							52
MEANS TEN DAYS ✲				722	721	722	721	722	724	727	727	724	719	711	706	705	710	715	720	726	728	725	724	723	722	722	723	720							48
MEANS FIVE DAYS † (G. M. T.)				720	720	721	723	723	725	729	725 731	725 726	719	707	702	705	712	719	724	728	728	726	723	723	722	721	721	721							
MEANS FIVE DAYS ‡ (G. M. T.)				710	712	719	712	711	711	711	705	702	693	692	701	699	703	708	708	711	708	707	706	708	709	709	708	707							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Z̄ = NO RECORD

TABLE 151

HORIZONTAL INTENSITY

23978 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	710	713	715	716	718	720	723	724	723	717	709	705	703	709	715	725	731	732	733	732	731	723	716	720	719	1	20	02	737	11 35	699	38
2				724	720	723	711	697	698	694	697	692	687	691	692	692	682	680	678	694	694	691	689	691	692	688	690	695	1	2	37	734	15 10	669	65
3				694	698	711	702	697	703	709	703	695	691	690	698	701	706	704	694	692	693	697	691	691	692	707	698	698	1	2	02	725	9 53	685	40
4				693	693	703	704	701	709	706	703	686	687	687	688	687	694	695	696	705	708	703	680	687	694	697	697	696	0	5	25	716	19 40	676	40
5				696	698	699	701	701	700	699	697	690	687	684	682	684	692	703	704	709	715	700	695	705	705	705	705	698	1	17	35	717	12 07	681	36
6			✓	710	712	709	712	735	720	711	708	696	676	665	666	670	670	667	701	712	714	673	653	623	654	653	624	685	1	4	47	743	20 49	613	130
7			✓	654	630	631	642	639	650	650	646	641	631	625	630	638	636	636	641	648	649	657	657	662	665	660	660	645	1	0	22	681	10 28	620	61
8	✓			669	667	680	687	677	682	682	682	671	657	649	653	657	660	667	675	682	688	691	691	691	690	689	693	676	0	20	10	694	10 30	647	47
9				692	693	705	711	700	689	699	703	697	676	656	646	644	653	681	696	702	699	691	689	678	683	687	695	686	0	3	27	715	12 09	643	72
10				694	700	724	710	700	707	700	700	697	690	680	676	680	686	691	694	698	692	699	706	704	694	698	694	696	1	2	25	733	11 48	674	59
11				705	716	699	694	696	698	705	702	702	699	677	674	686	686	676	679	686	690	690	696	693	695	695	697	693	0	1	07	728	11 04	663	65
12	✓	✓		698	698	702	701	702	702	704	704	695	689	687	691	689	688	695	703	712	710	708	707	709	707	707	708	701	0	16	30	713	10 15	685	28
13	✓	✓		706	709	709	711	715	715	718	720	720	716	711	706	708	711	715	718	718	716	716	719	719	717	717	717	714	0	8	04	721	0 04	704	17
14	✓			714	717	719	720	706	708	713	715	712	706	697	707	720	726	728	714	714	711	704	703	703	705	704	708	711	1	14	09	733	10 30	696	37
15				711	706	705	709	708	710	714	718	714	698	701	717	728	732	733	718	720	716	712	712	713	709	702	701	713	1	14	10	745	22 57	695	50
16				708	705	709	708	710	715	720	723	712	697	682	668	661	675	690	690	689	696	693	698	699	701	700	689	697	1	7	18	725	12 00	648	77
17				696	697	701	701	703	706	708	711	703	693	680	675	675	691	695	687	687	682	699	705	710	689	684	692	695	1	19	58	716	12 10	669	47
18				699	697	696	700	705	701	701	701	696	695	690	681	676	693	704	698	704	702	703	705	709	711	706	706	699	1	20	40	718	12 10	673	45
19				706	708	708	706	705	702	703	703	700	686	678	675	672	677	690	689	697	696	694	695	701	707	697	703	696	1	21	00	726	12 52	662	64
20	✓			705	704	704	704	709	707	708	707	697	684	678	703	719	719	711	706	706	708	709	709	709	706	699	716	705	0	23	40	727	10 08	674	53
21	✓	✓		714	704	703	702	702	702	701	696	685	675	672	673	676	686	693	698	700	704	708	712	711	710	709	708	698	0	0	01	724	10 30	670	54
22	✓	✓		709	710	709	708	708	709	710	708	700	688	682	680	680	682	688	697	703	707	711	709	709	711	712	712	702	0	21	40	716	11 46	680	36
23	✓			710	712	710	710	710	712	715	714	700	697	697	701	702	692	692	696	702	705	706	705	708	718	717	718	706	0	21	04	723	13 57	688	35
24			✓	718	715	718	718	718	728	736	739	731	720	716	708	707	701	702	702	704	706	705	695	672	668	664	649	706	2	7	40	741	23 37	645	96
25			✓	644	669	643	665	620	607	581	531	543	492	500	506	517	523	532	528	548	571	589	591	573	584	617	616	575	2	3	21	723	9 30	468	255
26	✓			599	599	613	620	634	622	629	632	621	610	600	607	622	632	637	643	646	651	654	656	659	660	662	662	632	0	23	33	665	0 48	595	70
27	✓	✓		664	666	669	673	675	670	669	677	683	682	672	658	647	648	651	655	665	671	676	679	683	681	676	679	670	0	20	43	688	12 46	644	44
28				681	682	685	686	686	686	688	690	687	681	681	685	687	687	684	680	682	682	683	683	685	692	690	680	685	0	21	13	692	23 59	672	20
29																																		
30																																		
31																																		
MEANS ALL DAYS				694	694	696	698	696	696	696	695	689	679	673	673	676	680	684	686	691	693	693	692	690	692	691	691	689							60
MEANS TEN DAYS ✲				689	689	692	694	694	693	695	696	688	680	674	678	682	684	688	690	695	697	698	699	700	700	699	702	692							42
MEANS FIVE DAYS † (G. M. T.)				704	706	706	707	705	706	709	701 709	697 704	690	685	682	680	683	688	694	700	702	704	705	706	705	704	705	699							
MEANS FIVE DAYS ‡ (G. M. T.)				658	657	658	665	653	652	647	638	667	647	643	643	647	648	650	659	669	674	671	666	652	659	662	654	656							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 152

HORIZONTAL INTENSITY

23978 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1939 — MARCH 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				680	670	674	677	672	677	680	688	684	670	657	658	665	668	665	676	672	660	677	685	687	685	680	672	674	1	21	17 694	10	30 655	39
2				672	669	689	691	681	685	695	690	672	662	625	612	633	647	650	644	655	652	666	660	658	656	680	674	663	1	2	41 701	11	06 587	114
3				675	674	676	680	681	680	681	672	660	655	650	635	636	637	648	675	675	672	672	668	665	663	664	663	665	1	3	59 685	11	53 626	59
4				677	675	673	682	688	688	680	676	680	662	629	634	639	642	644	646	642	644	639	639	657	671	699	682	662	1	22	22 702	10	37 620	82
5	✓			674	674	673	695	681	686	694	687	670	666	660	661	655	659	662	665	672	673	670	665	678	683	680	682	674	0	3	31 705	12	41 653	52
6				683	682	687	688	688	687	689	688	679	673	674	668	663	677	675	685	675	662	658	668	660	662	667	676	676	0	4	00 694	18	59 653	41
7	✓	✓		687	690	683	688	695	693	690	689	686	670	664	655	657	668	672	673	680	686	686	680	680	683	690	693	681	0	0	50 709	12	10 652	57
8				693	698	695	695	695	696	701	698	691	688	690	689	673	666	667	661	670	668	673	676	680	683	685	687	684	1	7	05 702	15	13 658	44
9				693	695	707	711	705	705	708	709	700	692	691	670	673	681	688	687	663	671	689	697	692	686	692	689	691	1	3	02 725	16	24 649	76
10	✓			690	694	688	691	693	696	698	698	690	672	672	675	679	678	679	681	687	688	695	701	696	692	689	690	688	0	19	54 705	9	28 667	38
11				694	697	698	699	697	709	707	709	704	697	687	687	684	685	679	673	688	679	678	691	699	699	702	704	694	0	5	26 718	15	00 665	53
12				710	699	697	700	702	702	702	701	693	694	696	696	690	693	693	688	693	691	696	699	699	699	699	701	697	0	0	50 716	15	12 685	31
13	✓	✓		686	692	693	707	705	702	700	699	698	700	702	697	691	688	689	690	687	672	671	691	691	693	689	693	693	0	3	38 713	17	32 669	44
14	✓			694	696	697	698	699	700	702	708	709	714	720	720	712	714	712	709	709	705	703	694	685	697	699	698	704	0	10	50 722	2	17 678	44
15				700	697	700	700	702	705	705	708	705	703	700	699	698	693	690	705	695	702	702	687	691	698	698	697	699	1	0	04 713	19	22 685	28
16				721	699	700	702	705	708	710	712	709	708	705	696	706	701	701	697	687	670	667	681	689	706	691	697	699	1	0	21 748	18	29 663	85
17				707	704	702	701	698	697	702	696	686	688	693	683	675	667	656	671	685	692	693	693	700	701	703	700	691	0	0	33 712	14	30 650	62
18	✓	✓		699	698	696	698	701	703	706	708	705	701	703	703	698	698	700	703	702	699	700	700	700	699	701	702	701	0	7	50 709	2	05 692	17
19	✓	✓		699	699	701	703	704	704	703	701	693	690	691	692	690	691	695	699	703	703	704	704	706	703	704	704	699	0	20	21 708	9	18 688	20
20	✓			703	704	708	719	716	714	716	721	717	704	695	710	711	710	708	705	703	702	703	703	703	703	705	705	708	0	3	05 726	10	33 692	34
21				702	707	704	705	707	706	706	707	704	702	702	711	712	712	704	701	680	675	640	638	650	664	672	676	691	1	13	10 719	19	19 628	91
22			✓	679	683	701	693	679	681	684	689	687	689	689	679	676	676	671	673	668	653	642	642	651	646	656	673	673	1	2	40 726	19	15 628	98
23				674	677	682	688	680	685	685	690	678	664	647	647	653	670	674	680	683	674	687	690	692	692	692	713	679	1	23	05 727	10	43 640	87
24	✓			678	679	681	688	694	700	701	693	681	671	661	653	649	656	664	671	674	680	684	694	691	694	713	697	681	0	22	15 720	12	08 646	74
25	✓	✓		694	692	691	689	688	687	695	695	696	691	689	684	680	679	679	683	685	692	690	690	690	690	692	696	689	0	23	55 700	14	30 678	22
26				697	700	700	699	701	703	698	695	693	692	693	689	684	685	689	691	684	677	683	680	676	682	690	690	690	0	2	11 704	17	06 672	32
27			✓	689	691	713	701	703	712	698	697	693	687	672	685	700	708	705	697	689	680	679	684	691	693	693	692	694	1	2	28 723	10	44 666	57
28			✓	688	691	693	718	685	675	665	678	686	672	670	670	653	653	673	675	657	650	632	636	633	641	664	638	666	1	2	56 725	23	55 623	102
29			✓	635	665	647	647	635	633	622	631	604	611	607	609	626	638	630	604	605	616	633	614	626	629	658	660	629	2	1	08 707	19	45 587	120
30			✓	675	672	668	668	678	670	658	661	660	646	637	636	632	625	633	636	645	650	653	658	662	674	668	660	655	1	0	02 706	13	35 619	87
31				666	685	673	678	671	670	679	670	659	658	662	653	663	664	660	659	663	664	656	668	675	672	679	684	668	1	1	30 700	8	50 648	52
MEANS ALL DAYS				688	689	690	694	691	692	692	692	686	680	675	673	673	675	676	678	677	674	675	677	679	682	687	687	683						59
MEANS TEN DAYS ✱				690	692	691	698	698	698	700	700	694	688	686	685	682	684	686	688	690	690	691	692	692	694	696	696	692						40
MEANS FIVE DAYS † (G. M. T.)				697	699	700	703	703	703	704	698 705	696 701	690	690	686	683	685	687	690	691	690	690	693	693	694	695	698	694						
MEANS FIVE DAYS ‡ (G. M. T.)				668	678	673	680	670	667	662	666	666	661	655	656	657	660	662	657	653	650	648	647	653	657	668	665	661						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 153

HORIZONTAL INTENSITY

23978 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120th MERIDIAN MEAN TIME)

APRIL 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M			MINIMUM H M			RANGE
1				668	675	680	684	681	680	681	688	676	675	667	670	661	641	646	649	644	635	642	641	646	660	679	688	665	1	22	50	704	17	36	632	72
2				673	681	686	699	689	688	684	674	681	676	667	659	664	665	664	668	673	679	677	669	673	692	679	674	676	0	3	22	709	11	39	654	55
3				676	681	690	658	682	683	682	684	691	685	665	647	640	643	653	657	642	654	673	674	675	670	672	672	669	0	8	06	692	12	58	636	56
4				677	677	700	689	686	691	698	700	698	693	688	675	672	665	665	660	665	670	678	682	685	687	687	688	682	0	2	11	709	15	41	654	55
5				689	692	692	730	689	664	673	678	679	679	673	669	676	679	675	676	676	692	686	684	682	672	675	686	682	0	3	31	750	5	27	656	94
6	✓	✓		684	685	687	687	689	690	692	694	692	689	686	676	679	674	672	687	684	689	694	696	694	694	696	696	688	0	23	52	699	14	10	664	35
7	✓	✓		697	697	696	697	699	701	702	705	703	697	693	694	690	684	681	687	692	697	701	701	704	703	702	700	697	0	7	27	707	13	55	679	28
8				699	699	697	696	695	699	702	704	698	692	689	687	674	680	682	686	696	702	704	707	704	698	696	694	695	0	19	50	709	12	40	671	38
9				694	702	702	692	699	700	699	697	696	691	689	695	693	693	692	684	692	698	700	701	697	694	696	702	696	0	1	47	718	15	10	683	35
10				702	702	707	709	703	702	699	697	675	694	688	682	669	672	680	685	669	669	677	685	688	692	675	689	688	1	2	42	717	16	34	658	59
11				692	684	684	703	694	688	686	680	674	687	688	684	673	674	675	681	673	669	671	685	684	682	682	691	683	1	3	30	716	18	54	654	62
12				694	696	702	694	688	684	693	690	684	678	676	661	671	665	661	650	649	670	669	669	681	687	687	689	679	1	20	40	706	16	42	638	68
13	✓	✓		691	692	691	692	692	692	694	696	694	688	689	684	677	678	658	656	678	686	686	689	690	690	696	694	686	0	22	05	700	15	28	649	51
14	✓			694	699	705	699	694	693	695	698	701	701	693	688	687	683	675	673	685	690	689	696	697	695	698	698	693	0	2	33	708	15	15	669	39
15	✓	✓		704	704	702	699	702	701	699	698	702	707	708	718	717	706	695	688	692	692	693	697	698	697	700	700	701	0	11	40	724	15	15	685	39
16	✓	✓		695	694	697	698	698	697	695	696	693	689	688	693	695	694	687	688	690	695	700	702	703	703	701	700	695	0	21	00	705	14	43	686	19
17			✓	701	703	703	705	707	714	720	721	725	728	749	677	629	619	606	601	547	577	572	569	550	545	554	547	645	2	10	02	766	16	15	493	273
18			✓	566	581	592	597	599	626	621	623	617	608	598	597	602	610	615	604	608	628	633	638	646	653	629	653	614	2	20	45	676	0	56	548	128
19				632	653	653	664	651	654	649	656	662	666	652	651	656	655	647	652	664	676	677	672	670	640	626	621	654	1	20	11	690	23	06	614	76
20				626	633	655	653	662	669	669	663	663	646	639	639	623	622	631	640	640	633	633	631	639	652	653	650	644	1	5	15	674	12	57	616	58
21				663	665	660	666	670	668	663	668	666	657	641	644	651	649	637	631	643	634	648	653	634	636	642	661	652	1	4	00	683	15	10	626	57
22				654	656	654	657	669	672	671	674	656	649	651	651	661	658	651	655	662	666	665	665	666	655	643	642	658	1	7	36	679	23	50	635	44
23			✓	638	642	661	662	667	665	668	680	673	676	682	675	665	636	597	587	569	570	575	582	589	601	593	630	633	2	10	49	687	16	13	551	136
24			✓	608	605	635	624	636	646	645	641	636	638	645	647	642	637	634	636	641	648	659	661	662	663	666	669	643	2	23	47	671	0	36	593	78
25			✓	665	691	725	663	674	576	535	543	533	528	531	560	574	573	572	568	572	580	587	590	619	613	632	638	598	2	2	12	779	7	01	497	282
26	✓			651	642	637	641	638	635	642	645	635	646	640	637	640	644	639	639	646	652	655	657	659	659	664	664	646	0	0	20	676	8	13	629	47
27				661	663	665	663	664	665	664	667	670	671	668	664	667	667	662	662	662	661	665	668	670	670	671	673	666	0	23	50	674	17	30	657	17
28	✓			675	675	672	673	673	677	675	669	689	692	676	661	663	638	636	631	642	656	666	668	668	666	669	674	666	0	9	00	695	13	40	628	67
29	✓			672	672	678	678	680	684	673	676	681	676	663	638	648	661	657	652	650	654	659	662	660	667	680	675	666	0	5	30	690	11	50	631	59
30	✓			675	678	686	687	688	680	677	677	679	678	668	659	654	652	651	658	667	678	683	684	686	681	677	672	674	0	4	20	692	14	17	649	43
31																																				
MEANS ALL DAYS				671	674	680	679	679	676	675	676	674	673	668	663	660	657	653	653	654	660	664	666	667	667	667	671	668								72
MEANS TEN DAYS *				684	684	685	685	685	685	684	685	687	686	680	675	675	671	665	666	673	679	683	685	686	686	688	687	681								43
MEANS FIVE DAYS † (G. M. T.)				697	698	700	699	699	701	703	698 705	697 704	694	693	693	692	687	679	681	687	692	695	697	698	697	699	698	695								
MEANS FIVE DAYS ‡ (G. M. T.)				624	634	648	638	640	627	618	622	637	636	641	631	622	615	605	599	587	601	605	608	613	615	615	627	621								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 154

HORIZONTAL INTENSITY

23978 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1939

MAY 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	674	676	691	677	676	674	676	679	681	676	667	665	667	665	667	665	660	657	654	642	617	617	614	616	661	1	2 20	703	21 05	586	117
2			✓	621	627	607	614	639	654	652	640	636	627	632	632	612	587	573	580	604	634	635	627	641	634	647	632	624	1	5 05	671	15 00	549	122
3				642	646	649	652	665	651	660	667	669	657	659	661	649	639	623	619	626	631	637	652	656	652	657	657	649	0	4 06	673	15 22	609	64
4	✓			662	663	664	668	679	672	674	678	680	680	669	664	659	660	658	658	664	667	673	677	678	678	678	678	670	0	9 04	684	13 54	656	28
5				677	675	675	680	684	685	686	688	693	693	688	679	673	655	649	652	662	662	676	683	685	685	684	694	678	1	23 30	699	15 12	644	55
6			✓	691	682	683	682	696	712	720	722	722	723	708	695	688	687	683	685	688	691	679	678	677	634	629	654	688	1	4 45	756	22 04	621	135
7			✓	693	654	657	664	664	672	654	656	682	634	621	624	621	596	606	596	616	626	622	614	637	641	657	674	641	1	0 18	706	14 51	588	118
8			✓	653	656	659	661	661	667	673	685	677	666	656	661	650	631	603	607	622	645	634	640	648	661	664	664	652	1	7 59	687	14 49	593	94
9				666	665	671	669	671	676	671	686	685	671	661	627	648	653	640	641	651	648	657	671	666	663	667	666	662	1	7 54	691	11 49	605	86
10	✓			673	678	676	674	676	677	681	682	687	685	675	663	661	657	652	657	670	675	678	680	683	685	686	688	675	0	8 40	690	14 12	646	44
11	✓	✓		687	693	685	682	683	685	689	695	698	693	681	670	666	664	667	669	674	677	679	672	677	680	679	681	680	0	8 38	700	12 52	662	38
12	✓	✓		683	684	686	686	689	689	692	697	696	692	688	676	670	668	665	670	682	685	688	688	686	691	693	692	685	0	7 52	697	14 08	664	33
13	✓	✓		690	691	698	695	694	695	699	707	713	709	700	689	690	687	676	668	670	674	686	688	683	680	689	691	690	0	8 20	713	15 40	667	46
14	✓	✓		688	689	696	691	691	696	695	700	708	706	695	683	678	679	669	671	680	690	695	697	698	694	692	696	691	0	8 40	710	14 40	666	44
15	✓			697	697	697	699	702	705	710	716	715	716	711	696	685	672	669	669	667	664	663	667	667	662	669	672	687	0	7 30	719	21 26	659	60
16				679	682	684	686	690	692	694	701	711	725	716	679	659	653	636	629	617	617	642	662	657	665	670	669	671	1	9 58	732	16 05	612	120
17				672	675	679	681	680	681	684	690	691	690	688	679	671	665	658	664	677	683	685	688	689	684	679	674	679	0	8 02	694	14 35	650	44
18	✓			674	673	677	690	683	684	683	685	679	669	663	664	664	659	660	666	675	683	684	676	669	663	666	667	673	0	3 07	698	13 49	654	44
19				677	678	681	683	684	690	688	689	688	685	675	661	661	651	645	650	665	676	679	681	681	681	680	682	675	0	7 07	694	14 54	641	53
20				683	685	694	692	685	685	690	686	686	683	681	668	660	645	650	643	642	655	663	666	673	672	670	668	672	0	6 24	698	16 44	640	58
21				673	675	677	677	682	680	683	687	696	701	693	681	671	664	663	664	672	678	683	685	677	671	664	663	678	0	9 48	702	23 59	649	53
22				648	660	662	666	677	677	682	678	674	659	661	661	639	628	632	644	641	622	645	655	658	659	666	659	656	1	6 15	689	17 25	612	77
23				661	666	668	671	676	681	684	700	703	700	683	668	651	640	636	633	627	650	645	647	656	666	668	670	665	1	7 53	712	16 03	619	93
24				673	674	677	672	679	678	670	671	674	687	645	626	626	634	637	649	659	668	673	678	677	675	673	664	664	1	9 27	690	11 13	620	70
25				683	677	674	687	693	693	680	674	673	660	659	649	667	658	647	649	661	669	671	672	671	674	668	687	671	1	23 35	703	11 23	638	65
26				678	673	675	677	698	710	689	686	675	657	646	633	615	617	624	637	643	648	660	662	662	673	670	688	662	0	5 08	716	12 56	606	110
27				674	676	677	678	680	678	681	683	675	678	667	655	649	642	643	645	651	662	665	667	673	675	675	680	668	0	7 30	686	13 06	639	47
28				684	682	682	682	683	695	692	704	690	684	662	672	674	658	641	643	651	653	676	669	671	680	681	682	675	1	7 36	710	14 35	634	76
29				682	685	688	690	697	701	704	704	692	683	672	660	642	619	610	618	616	637	643	649	647	647	664	663	663	1	6 19	709	16 51	600	109
30	✓			667	667	662	664	662	670	672	672	677	675	669	666	657	656	650	650	658	665	671	671	675	678	682	685	668	0	22 57	687	14 58	648	39
31	✓	✓		682	684	687	689	689	692	695	697	703	703	698	682	675	669	669	671	678	688	689	690	691	691	692	693	687	0	9 00	705	14 17	665	40
MEANS ALL DAYS				674	674	675	677	681	684	684	687	688	683	674	664	658	650	645	647	654	661	665	668	669	668	670	673	670						70
MEANS TEN DAYS ✲				680	682	683	684	685	686	689	693	696	693	685	675	670	667	664	665	672	677	681	681	681	680	683	684	681						42
MEANS FIVE DAYS † (G. M. T.)				690	691	694	694	694	697	699	699 705	704 709	701	692	680	676	673	669	670	677	683	687	687	687	687	689	691	688						
MEANS FIVE DAYS ‡ (G. M. T.)				655	650	649	652	660	664	662	667	680	665	657	655	648	633	626	627	638	651	645	640	644	637	642	648	650						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
⊡ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 155

HORIZONTAL INTENSITY

23978 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1939 — JUNE 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				692	694	695	698	696	698	701	704	711	713	712	712	702	685	682	682	691	699	699	699	698	696	696	679	697	0	11 15	716	23 56	671	45
2				670	679	682	686	687	694	697	708	714	720	713	692	682	686	679	678	672	675	677	672	674	675	681	680	686	1	9 41	724	0 17	663	61
3				687	690	687	686	687	688	688	695	702	700	695	691	683	670	671	670	664	682	680	675	679	684	685	685	684	0	8 25	706	16 21	658	48
4				687	683	684	687	689	692	694	696	697	691	689	693	688	667	675	671	677	688	687	684	682	685	684	687	686	1	8 32	700	13 34	661	39
5				693	687	688	687	688	692	694	697	701	703	697	687	684	676	676	673	670	682	684	692	692	696	692	686	688	0	9 12	705	16 04	664	41
6	✓			691	694	691	691	692	694	697	699	699	696	688	671	666	664	668	672	689	696	697	698	693	695	695	695	689	0	8 05	701	12 57	658	43
7	✓	✓		694	697	698	697	697	698	700	701	697	698	700	695	689	680	677	684	695	700	702	702	700	700	700	700	696	0	18 25	703	14 14	673	30
8	✓	✓		696	697	699	699	696	699	702	704	706	702	690	686	688	685	682	683	693	702	705	704	702	702	700	698	697	0	8 37	707	14 49	680	27
9	✓	✓		699	699	700	701	703	704	708	713	714	712	708	698	689	687	685	690	698	705	704	706	706	703	702	703	702	0	8 30	715	14 30	684	31
10	✓			700	702	703	704	705	708	708	708	716	720	720	709	703	701	702	705	710	716	714	711	713	712	710	709	709	0	9 24	726	13 09	699	27
11	✓	✓		704	710	712	710	707	709	709	712	712	712	712	709	705	706	699	693	699	699	699	697	692	696	698	698	704	0	9 30	714	20 26	689	25
12	✓			699	700	701	704	704	706	711	711	714	714	708	704	707	705	697	700	697	697	696	692	688	689	694	698	702	0	8 31	716	21 00	685	31
13				699	700	701	703	706	708	709	715	717	714	703	700	696	693	689	684	693	700	703	700	698	697	695	692	701	0	8 42	718	15 05	681	37
14			✓	710	710	705	700	709	711	708	710	713	691	692	685	661	664	671	652	598	569	566	589	598	592	605	619	660	2	8 03	721	19 06	537	184
15	✓			636	638	645	645	654	654	652	654	662	665	662	660	649	649	643	642	650	657	659	654	655	665	665	666	653	0	22 03	670	0 39	633	37
16			✓	668	673	673	672	671	671	670	667	681	679	652	644	636	629	619	610	600	596	646	644	643	647	642	636	649	1	8 55	687	17 19	571	116
17	✓			647	653	657	661	663	668	671	676	679	680	673	663	657	655	657	662	670	676	678	677	677	676	676	677	668	0	9 13	681	0 00	639	42
18				679	679	682	684	684	688	690	696	701	687	682	677	662	654	644	643	644	644	633	644	659	649	660	660	668	1	8 42	703	18 16	624	79
19			✓	660	665	682	681	682	685	684	676	687	692	686	682	668	650	638	646	660	657	663	668	661	680	660	665	670	1	9 42	696	14 46	630	66
20				672	675	677	679	679	682	680	689	684	679	661	657	644	630	636	635	642	665	668	668	663	669	669	668	665	0	7 40	691	13 48	625	66
21				672	676	601	681	682	684	685	687	693	690	671	666	660	654	657	645	649	659	665	682	684	681	683	683	674	1	19 45	705	15 20	636	69
22				678	681	684	704	700	692	694	697	691	690	691	686	664	650	656	656	672	677	683	686	686	687	686	686	682	0	4 00	714	13 11	643	71
23				687	692	693	690	688	688	688	687	684	678	678	672	663	653	661	669	667	675	682	682	677	679	689	689	680	0	1 22	702	13 17	649	53
24				687	684	683	683	687	686	688	686	687	686	667	659	667	667	667	674	680	683	689	686	681	680	683	683	680	0	0 21	691	11 33	653	38
25	✓	✓		685	687	688	689	691	692	695	697	694	690	680	679	678	674	669	670	685	697	699	697	692	687	689	691	687	0	7 00	701	15 20	665	36
26				690	692	695	696	695	700	703	700	698	698	691	689	678	675	677	691	704	699	695	697	700	702	701	697	694	1	16 24	711	13 40	670	41
27			✓	699	700	699	701	721	711	705	701	715	718	711	702	688	684	680	677	687	689	664	666	678	672	664	677	692	1	4 23	735	22 28	660	75
28				680	694	691	691	691	691	696	700	701	700	697	693	683	678	680	682	687	693	694	692	693	685	687	685	690	0	7 33	704	0 10	670	34
29			✓	685	682	684	687	693	698	701	713	719	715	709	693	662	670	674	671	673	674	675	673	675	665	664	672	684	1	8 24	725	12 33	650	75
30				684	681	681	684	684	688	689	692	693	689	694	694	690	669	665	671	672	663	678	686	686	683	683	689	683	0	8 14	697	17 43	653	44
31																																		
MEANS ALL DAYS				684	686	688	689	691	693	694	696	699	697	691	685	676	670	669	669	673	677	679	681	681	681	681	682	684						54
MEANS TEN DAYS *				685	688	689	690	691	693	695	698	699	699	694	687	683	681	678	680	689	694	695	694	692	692	693	694	691						33
MEANS FIVE DAYS † (G. M. T.)				697	698	700	701	701	703	706	705 707	705 710	703	698	693	690	686	682	684	694	701	702	701	698	698	698	698	698						
MEANS FIVE DAYS ‡ (G. M. T.)				664	668	670	672	674	677	678	682	703	699	690	681	663	659	656	651	644	637	643	648	651	651	647	654	665						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 156

HORIZONTAL INTENSITY

23977 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1939 — JULY 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				686	686	687	686	687	690	693	698	706	710	701	685	664	652	652	651	673	681	670	687	687	684	683	686	683	0	9 33	715	15 51	645	70
2				689	689	691	691	691	694	695	698	699	696	696	693	676	655	656	670	686	695	697	697	690	694	690	689	688	0	8 23	702	14 08	649	53
3			✓	692	694	696	695	695	696	696	705	712	721	716	698	689	683	684	681	671	670	671	648	631	613	616	652	680	1	9 41	723	21 41	595	128
4			✓	640	647	661	656	654	666	665	671	685	687	686	673	665	660	660	661	667	672	672	679	683	687	690	683	670	1	22 10	710	0 36	633	77
5			✓	704	683	679	699	684	671	676	684	692	709	671	666	660	637	595	577	562	554	566	544	550	563	575	608	634	2	3 48	753	19 49	526	227
6				608	607	619	615	626	630	654	650	644	632	617	606	614	614	614	619	630	638	653	653	656	658	659	661	632	1	0 01	677	0 29	588	89
7	✓	✓		662	662	664	664	666	667	671	679	684	683	671	660	655	649	649	652	662	671	674	675	676	677	679	679	668	0	9 00	685	13 41	647	38
8	✓			679	679	680	680	682	681	683	685	685	684	680	668	663	663	659	662	672	681	683	682	684	686	686	683	678	0	8 58	689	14 39	658	31
9	✓	✓		680	680	678	676	678	684	689	693	700	699	692	682	677	672	672	676	680	687	691	691	691	689	689	688	685	0	9 08	703	14 20	671	32
10	✓	✓		692	692	690	690	690	692	695	702	712	716	713	700	691	686	676	676	684	691	694	695	693	693	693	692	694	0	9 36	717	14 48	673	44
11				692	694	697	698	703	704	705	707	712	714	718	711	697	691	695	695	702	716	718	719	737	736	704	698	707	0	21 12	743	13 21	687	56
12				701	702	711	707	707	709	710	715	718	715	709	690	676	670	674	680	693	707	706	704	697	688	684	680	698	0	8 19	720	13 30	669	51
13	✓	✓		688	690	681	679	681	684	685	688	691	693	684	676	668	662	666	673	681	686	687	685	684	684	687	690	682	0	0 56	708	13 01	659	49
14				690	690	693	695	695	695	696	701	710	712	707	700	698	695	690	667	675	682	660	660	655	664	664	659	686	1	9 13	715	20 30	638	77
15				653	661	665	670	675	679	687	689	682	679	679	669	654	653	654	660	670	684	684	673	669	679	676	679	672	0	7 06	693	13 18	649	44
16				679	680	681	683	686	689	689	697	701	700	692	683	682	673	676	684	688	686	679	674	681	676	684	686	685	0	8 58	702	21 42	671	31
17				684	682	693	686	691	697	693	692	690	687	686	679	668	650	635	638	651	677	685	685	678	680	680	681	678	1	2 39	706	15 54	625	81
18				688	688	688	688	689	686	692	693	693	679	677	676	673	673	673	673	676	682	687	684	683	681	683	683	683	0	8 34	695	13 51	665	30
19				681	690	697	692	691	693	695	697	698	691	690	681	677	679	653	664	679	691	698	701	700	696	689	689	688	1	1 51	706	14 30	648	58
20			✓	695	700	698	698	697	696	722	727	707	715	710	702	683	636	638	660	672	663	644	641	626	621	622	640	676	1	7 20	733	20 17	607	126
21			✓	648	653	664	660	666	688	677	689	699	696	689	680	671	660	655	657	666	676	692	673	653	611	615	629	665	1	18 01	704	21 56	583	121
22				646	654	656	657	660	664	673	679	684	681	676	666	646	654	650	653	672	683	683	669	656	664	677	680	666	1	18 14	702	12 30	638	64
23				684	683	680	685	692	691	697	703	699	700	686	684	675	670	679	679	685	680	680	682	684	688	688	687	686	0	9 32	705	13 31	668	37
24	✓			687	687	688	691	691	692	694	699	706	707	710	699	693	688	680	678	685	693	696	693	674	666	680	686	690	0	10 06	713	21 11	663	50
25				688	691	692	693	699	705	709	716	719	725	716	705	694	677	652	643	652	666	679	682	683	684	679	680	689	0	9 44	730	15 11	639	91
26				682	684	686	687	690	692	696	702	711	715	715	702	672	636	628	637	612	622	641	657	646	633	644	652	668	1	10 00	721	16 56	601	120
27				670	686	679	672	674	676	674	680	685	687	682	666	663	661	655	653	664	676	677	677	679	678	679	676	674	0	1 30	690	15 03	643	47
28	✓			680	698	693	691	688	688	690	699	700	700	695	688	680	678	664	666	682	689	687	683	686	684	685	692	687	0	9 14	703	14 53	655	48
29	✓			694	694	692	691	691	693	692	696	705	710	709	706	694	686	677	677	679	685	693	694	694	693	691	690	693	0	9 41	712	15 34	674	38
30	✓	✓		692	694	697	700	699	699	703	706	711	709	703	690	664	662	671	677	683	690	694	694	696	694	692	692	692	0	8 39	712	13 07	659	53
31	✓			693	698	698	700	703	704	707	712	712	709	701	686	673	661	659	662	677	689	700	700	698	698	698	698	693	0	8 02	715	15 03	654	61
MEANS ALL DAYS				679	681	683	683	685	687	690	695	698	699	693	683	673	664	659	661	669	676	679	677	674	672	673	676	680						68
MEANS TEN DAYS ✱				685	687	686	686	687	688	691	696	701	701	696	686	676	671	667	670	678	686	690	689	688	686	688	689	686						44
MEANS FIVE DAYS † (G. M. T.)				689	691	692	693	695	695	697	694 701	700 706	700	693	682	671	666	667	671	678	685	688	688	688	687	688	688	687						
MEANS FIVE DAYS ‡ (G. M. T.)				649	649	656	657	658	664	669	675	699	706	694	684	674	655	646	647	648	647	649	637	629	619	624	642	657						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

[ ] = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 157

HORIZONTAL INTENSITY

23977 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M		MINIMUM H	MINIMUM M		RANGE
1				673	674	676	679	680	681	684	687	703	698	690	674	662	651	660	669	681	695	703	704	704	701	703	703	685	0	7	15	713	13	31	645	68
2	✓	✓		704	704	704	707	708	709	712	716	717	711	703	690	684	682	677	677	683	700	707	708	707	706	705	705	701	0	8	03	718	14	46	674	44
3	✓	✓		705	706	706	707	709	712	712	716	719	717	714	707	691	682	683	686	695	703	706	706	706	706	707	706	704	0	8	16	720	13	41	680	40
4	✓			704	703	703	706	708	711	714	720	718	711	703	698	695	694	695	697	700	701	701	703	703	700	698	698	704	0	7	51	721	13	36	693	28
5	✓	✓		703	709	705	702	701	703	708	717	727	730	722	713	704	699	693	694	699	705	710	715	714	713	713	711	709	0	9	10	733	14	53	691	42
6	✓	✓		713	713	715	719	722	723	728	732	733	730	722	713	702	693	695	700	706	712	714	714	714	714	712	712	715	0	8	05	733	13	46	691	42
7	✓	✓		714	712	715	716	717	720	723	726	728	728	725	719	704	695	694	697	702	711	711	710	708	705	705	705	712	0	9	30	729	14	18	692	37
8	✓			707	711	713	713	713	716	719	722	720	722	721	713	708	708	708	707	707	710	716	716	715	716	719	721	714	0	9	59	723	16	07	706	17
9	✓			721	717	718	718	713	709	714	720	720	715	709	705	693	688	695	701	704	704	703	708	709	707	707	707	709	0	8	00	722	13	05	686	36
10				709	708	708	708	712	716	720	727	731	729	726	721	714	709	710	710	711	707	667	687	703	698	695	689	709	1	8	40	731	18	35	659	72
11				691	697	695	690	683	684	689	699	711	718	721	718	712	705	695	687	687	695	700	698	704	700	699	698	699	1	10	08	723	2	51	676	47
12			✓	695	696	715	712	718	719	687	700	712	731	707	669	637	581	614	564	573	557	559	612	600	608	635	642	652	2	9	50	760	17	48	539	221
13			✓	638	638	638	639	646	659	656	641	636	619	619	606	615	625	619	613	630	634	647	654	652	650	647	679	638	1	23	35	699	11	08	589	110
14				677	658	658	656	658	658	663	669	677	672	665	666	663	636	646	647	652	661	666	666	669	672	669	669	662	0	0	07	695	13	37	632	63
15				669	671	673	674	676	678	683	688	689	684	674	668	661	649	639	644	661	677	684	683	685	685	685	686	674	0	8	30	691	14	40	635	56
16			✓	688	684	685	688	692	693	692	695	704	706	701	688	674	659	645	648	655	668	667	638	618	603	648	614	669	1	9	20	708	21	24	578	130
17				604	624	628	655	654	657	650	670	664	662	678	659	645	632	635	630	635	648	649	642	634	640	649	648	646	1	9	50	687	0	29	588	99
18	✓			651	657	662	667	673	674	681	687	696	700	696	696	689	678	667	657	651	669	675	674	672	671	674	671	674	0	9	14	701	0	00	648	53
19				675	683	680	681	683	683	686	694	700	703	701	697	695	692	698	698	695	701	698	698	692	687	676	672	690	0	9	36	704	23	13	661	43
20				663	668	674	677	681	685	694	701	710	714	710	696	689	682	677	673	679	689	698	700	697	697	699	693	689	0	9	38	715	0	48	652	63
21				691	690	690	698	698	698	701	710	718	721	722	718	716	707	699	690	693	695	685	685	687	687	688	693	699	1	10	30	723	18	40	680	43
22			✓	690	689	693	693	694	699	704	707	720	714	661	639	647	634	618	624	631	634	650	626	577	514	535	553	648	2	8	54	735	22	23	502	233
23			✓	560	583	566	583	594	572	602	613	609	591	570	535	525	538	537	561	567	574	561	576	609	620	634	618	579	2	22	47	639	12	40	519	120
24				624	642	654	635	640	640	640	645	649	658	659	650	633	629	628	624	641	645	642	650	654	647	652	650	643	0	2	24	668	15	15	619	49
25				655	662	660	663	666	667	672	677	678	687	678	658	643	639	634	640	649	656	654	663	659	653	658	662	660	0	9	41	689	14	04	630	59
26				666	668	670	674	672	675	678	686	692	694	685	669	651	644	642	650	658	661	664	664	664	672	673	671	668	0	9	20	695	14	05	640	55
27				673	673	675	682	678	681	685	687	693	694	687	682	672	660	653	656	669	678	678	681	677	670	664	667	676	0	9	25	696	14	58	650	46
28				669	675	675	679	682	689	689	692	699	705	697	684	672	664	663	669	675	683	685	685	685	677	674	674	681	0	9	40	706	14	08	661	45
29				678	679	685	686	686	690	694	697	702	703	697	688	679	669	670	673	680	685	684	685	682	686	688	690	686	0	8	35	704	13	57	668	36
30				689	689	690	691	696	696	698	701	700	698	692	687	684	677	681	684	692	693	692	684	680	670	669	687	688	0	7	35	702	21	50	667	35
31	✓			681	683	685	692	694	692	696	703	707	706	698	689	682	681	683	688	696	702	705	705	705	704	706	705	695	0	23	00	710	0	36	672	38
MEANS ALL DAYS				677	680	681	684	685	687	689	695	699	699	692	681	672	664	663	663	670	676	677	679	677	674	677	677	680								67
MEANS TEN DAYS ✲				700	702	703	705	706	707	711	716	718	717	711	704	695	690	689	690	694	702	705	706	705	704	705	704	704								38
MEANS FIVE DAYS † (G. M. T.)				709	709	710	712	714	716	719	721 723	725 724	723	717	708	697	690	688	691	697	706	710	711	710	709	708	708	709								
MEANS FIVE DAYS ‡ (G. M. T.)				621	629	629	634	638	637	642	648	676	672	652	627	620	607	607	602	611	613	617	621	611	599	620	621	627								

AUGUST 1939

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 158

HORIZONTAL INTENSITY

23977 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1939 — SEPTEMBER 1939

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		705	708	709	710	708	710	711	714	711	705	694	682	676	675	678	685	692	699	701	701	701	699	697	692	698	0	8 00	714	12 55	673	41
2				687	693	697	699	702	704	707	711	712	706	699	690	684	685	681	694	707	710	711	709	708	704	701	698	700	1	8 00	713	14 31	671	42
3			✓	696	708	706	703	708	722	747	748	742	724	675	668	661	667	648	623	645	671	659	651	666	667	666	666	685	1	7 38	751	15 21	609	142
4				663	671	671	676	682	698	688	700	704	693	685	676	672	660	655	657	663	672	677	680	686	688	688	688	679	0	5 21	711	14 52	654	57
5	✓	✓		688	689	688	688	693	695	698	703	708	708	703	691	682	675	676	682	690	691	692	694	697	697	696	696	692	0	9 33	709	13 32	672	37
6				694	695	699	702	697	699	703	703	710	714	713	696	680	668	664	664	676	688	693	694	695	695	696	699	693	0	10 12	716	13 51	660	56
7				702	700	701	702	707	706	708	709	713	706	687	678	668	665	665	671	685	694	696	691	692	691	693	696	693	0	8 47	716	13 01	661	55
8	✓			695	700	701	697	697	699	703	711	718	716	707	699	692	684	687	688	691	694	698	704	707	707	706	701	700	0	8 41	720	13 44	683	37
9			✓	698	694	696	698	704	705	712	723	739	728	715	715	705	690	665	649	665	657	641	624	629	649	654	677	685	1	9 12	743	19 46	619	124
10				675	677	682	684	693	691	697	702	706	702	688	679	669	674	679	668	679	679	683	688	686	671	660	665	682	1	8 46	708	22 17	651	57
11				674	679	690	690	696	693	693	696	702	698	705	706	667	681	670	677	682	685	687	687	685	685	689	689	689	0	11 20	708	14 47	666	42
12				691	690	691	693	694	694	694	697	703	705	687	681	676	675	678	671	675	685	686	689	691	691	692	691	688	1	9 27	706	16 08	663	43
13	✓			692	692	695	703	699	700	700	703	702	706	701	684	670	664	667	673	681	687	690	689	686	693	694	696	690	0	9 19	709	13 44	662	47
14				696	698	699	701	703	707	707	718	721	723	703	682	673	676	675	676	686	693	687	683	670	665	669	668	691	0	9 06	730	21 20	661	69
15	✓			674	683	667	690	695	697	702	705	702	701	702	695	684	677	678	679	687	698	702	701	698	701	701	700	693	0	7 43	706	0 03	669	37
16	✓			702	704	707	707	708	709	711	713	716	714	701	691	683	673	674	683	694	703	706	705	701	701	702	704	700	0	9 01	718	13 41	670	48
17			✓	703	705	711	713	715	716	717	715	715	710	701	684	660	638	638	673	676	688	678	671	648	622	641	651	683	1	6 31	718	21 44	612	106
18				646	627	630	643	649	638	632	624	620	624	633	639	644	645	651	653	655	655	658	666	663	661	662	661	645	0	19 30	666	8 44	615	51
19			✓	667	667	670	673	675	678	684	692	698	693	680	690	673	667	665	654	657	643	620	611	622	622	651	673	664	1	8 57	699	19 02	602	97
20			✓	648	660	657	664	660	663	664	665	677	665	653	640	632	645	631	642	644	644	647	638	657	668	676	671	655	1	8 00	683	14 30	617	66
21				672	671	674	676	676	678	682	684	683	682	680	679	668	655	655	656	668	676	673	681	685	692	688	685	676	0	21 10	699	13 33	650	49
22				687	696	696	688	686	692	693	696	696	694	696	700	696	690	696	689	677	685	680	686	691	688	685	688	690	0	11 53	702	16 38	673	29
23	✓			690	686	685	685	685	680	698	696	694	684	677	670	660	662	669	674	680	688	692	692	692	693	693	692	684	0	7 53	696	12 49	658	38
24	✓	✓		692	694	694	694	693	695	703	708	704	694	684	676	664	664	668	670	677	679	675	681	684	684	684	683	685	0	7 52	708	12 33	661	47
25				682	686	690	693	698	698	704	709	707	726	694	693	684	684	694	698	708	709	704	688	694	696	696	694	697	0	16 51	712	0 00	681	31
26				690	684	686	691	694	702	681	682	698	691	671	647	649	658	658	669	669	669	680	679	679	672	670	674	677	1	7 29	715	11 28	639	76
27				680	683	694	696	688	690	694	699	709	712	708	697	687	688	692	692	691	692	698	700	701	698	698	698	695	0	9 31	715	0 00	676	39
28	✓	✓		696	703	701	701	701	703	710	712	705	700	698	690	690	691	696	690	700	702	702	702	701	699	697	696	699	0	7 08	713	15 32	688	25
29	✓	✓		699	704	702	704	706	709	712	717	717	713	708	699	698	694	694	703	708	713	712	713	714	714	715	716	708	0	8 27	719	13 35	692	27
30				716	713	714	715	717	720	726	732	733	730	718	705	696	696	702	702	704	705	702	688	680	679	675	678	706	0	8 40	733	22 38	674	59
31																																		
MEANS ALL DAYS				687	689	691	693	694	696	699	703	705	702	692	684	675	672	672	673	680	685	684	683	684	683	684	686	687						56
MEANS TEN DAYS ✻				693	696	697	698	698	700	704	708	708	704	698	688	680	676	679	683	690	695	697	698	698	699	698	698	695						38
MEANS FIVE DAYS † (G. M. T.)				696	698	700	703	704	706	710	711 714	709 716	704	697	688	682	680	682	686	693	697	696	698	699	699	698	697	697						
MEANS FIVE DAYS ‡ (G. M. T.)				661	661	663	669	672	674	673	675	714	704	686	679	666	661	649	648	657	661	649	639	644	646	658	668	666						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 159

HORIZONTAL INTENSITY

23977 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1939

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M		MINIMUM H	MINIMUM M		RANGE
1				683	689	695	713	702	706	715	722	719	707	699	693	678	674	679	688	694	700	704	704	705	707	703	704	699	0	7	20	734	13	38	671	63
2	✓			702	701	705	702	704	703	708	714	712	709	706	704	690	695	698	701	706	711	714	716	716	713	713	713	706	0	18	59	717	12	33	688	29
3			✓	713	715	720	721	724	725	732	738	739	727	707	696	678	679	685	686	685	655	645	647	623	629	634	659	690	1	8	00	741	20	44	602	139
4			✓	672	696	684	647	637	626	628	635	645	619	588	576	607	626	626	626	625	634	639	638	639	661	647	648	636	1	1	47	714	11	25	563	151
5				648	651	661	665	657	663	666	667	658	657	660	656	651	638	640	654	664	660	643	648	651	664	656	661	656	1	21	06	672	18	09	632	40
6				666	666	672	692	679	672	675	667	648	645	643	627	620	618	608	623	629	624	634	629	639	649	659	667	648	1	3	44	704	14	17	595	109
7				685	685	671	674	685	669	674	677	674	669	671	675	674	672	674	676	680	685	691	691	692	686	688	684	679	0	0	58	704	9	20	666	38
8				677	674	671	680	685	675	674	674	669	658	644	651	666	669	669	677	682	685	685	685	685	685	693	692	675	0	22	49	696	10	33	641	55
9				693	699	701	702	702	706	713	710	693	697	698	700	694	689	671	624	624	659	673	676	652	635	628	647	679	1	6	58	716	15	41	605	111
10	✓			658	661	667	675	669	670	676	681	685	688	686	682	681	678	678	678	679	683	684	683	685	682	683	683	678	0	9	37	690	0	06	654	36
11				686	689	689	690	692	694	697	711	714	712	704	709	707	709	712	714	709	709	707	701	704	700	698	695	702	0	11	51	720	0	11	684	36
12	✓	✓		699	698	701	704	712	710	707	717	724	713	691	666	657	664	674	684	693	699	699	698	699	697	698	700	696	0	8	44	726	12	14	655	71
13			✓	700	700	702	704	707	709	709	707	704	693	700	710	707	693	701	677	671	654	674	666	667	665	674	682	691	2	10	16	725	16	58	620	105
14			✓	692	717	728	729	643	592	596	638	589	580	556	511	517	539	567	566	562	562	564	598	611	621	653	658	608	2	2	13	749	11	43	496	253
15			✓	637	656	657	645	641	645	656	656	632	601	546	528	558	578	594	617	627	630	635	643	647	649	647	678	625	1	23	30	690	11	00	508	182
16				669	661	662	659	666	665	664	657	644	641	632	625	619	627	646	651	653	654	648	647	655	687	661	690	653	1	23	13	718	12	27	616	102
17				655	662	662	654	655	658	652	652	659	657	639	635	647	642	650	662	667	669	660	658	660	666	673	697	658	1	23	41	725	11	02	626	99
18				690	673	691	673	666	666	673	668	658	647	633	638	653	655	654	676	677	663	663	652	643	638	648	677	661	1	2	28	699	10	51	626	73
19				647	652	651	665	659	666	671	666	668	676	683	666	656	649	652	652	647	634	637	652	652	657	655	670	658	0	10	30	682	18	05	626	56
20	✓	✓		669	660	673	688	685	676	677	677	673	667	661	651	650	661	669	678	675	677	675	678	683	683	685	686	673	0	3	32	693	11	42	646	47
21				687	687	687	687	689	691	695	695	693	685	677	670	666	671	693	704	696	691	691	694	696	680	669	682	686	0	15	41	710	12	16	663	47
22				689	691	698	710	693	691	685	690	693	690	683	675	678	683	686	681	680	683	685	688	690	691	693	695	688	0	3	14	713	11	24	673	40
23				695	695	698	704	712	706	707	705	690	679	681	693	698	699	697	701	694	668	661	656	655	688	663	665	688	1	4	34	715	20	07	648	67
24	✓			681	676	680	680	677	672	671	669	675	679	671	662	669	673	678	678	678	684	686	689	690	692	695	692	679	0	22	28	697	11	37	661	36
25	✓	✓		692	695	697	698	698	698	698	700	696	689	686	689	690	696	704	697	699	699	699	695	690	688	699	699	695	0	14	56	709	10	01	685	24
26	✓			698	699	701	704	702	705	710	710	706	695	688	689	694	701	703	705	705	701	706	709	706	706	701	699	702	0	7	43	712	10	40	686	26
27	✓	✓		700	703	704	708	718	715	713	711	705	697	687	694	703	705	709	720	715	712	712	713	712	710	709	710	708	0	5	00	725	10	24	684	41
28				712	713	710	710	713	716	716	715	709	700	692	697	703	703	703	707	723	723	718	708	685	696	703	703	707	0	16	42	726	20	33	678	48
29				701	707	706	706	703	706	711	709	705	695	676	664	668	672	675	678	687	694	694	696	696	695	688	693	693	0	6	28	713	11	41	661	52
30	✓			696	698	702	701	701	703	707	707	694	683	686	689	691	693	697	697	697	699	702	703	695	687	681	681	695	0	6	38	709	10	01	678	31
31	✓	✓		688	690	691	694	697	697	700	695	686	682	688	689	688	693	704	703	700	695	696	695	692	692	695	695	694	0	14	43	706	9	01	679	27
MEANS ALL DAYS				683	686	688	690	686	684	686	688	683	675	666	662	663	666	671	674	675	674	675	676	675	677	677	684	678								72
MEANS TEN DAYS ✻				688	688	692	695	696	695	697	698	696	690	685	682	681	686	691	694	695	696	697	698	697	695	696	696	693								37
MEANS FIVE DAYS † (G. M. T.)				699	699	699	700	701	704	706	700 705	697 701	690	683	678	678	684	692	696	696	696	696	696	695	694	697	698	695								
MEANS FIVE DAYS ‡ (G. M. T.)				664	676	678	669	649	638	642	651	662	644	619	604	613	623	635	634	634	627	631	638	637	645	651	665	643								

OCTOBER 1939

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 160

HORIZONTAL INTENSITY

23977 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

NOVEMBER 1939 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME) NOVEMBER 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				698	698	697	695	695	698	698	696	693	689	692	701	706	706	708	702	701	698	701	690	686	693	695	694	697	0	14 28	709	20 00	683	26
2				690	695	701	698	693	695	697	697	693	693	693	697	696	699	698	694	698	696	696	697	698	702	699	700	696	0	2 50	714	0 21	686	28
3				699	702	704	704	705	707	713	715	713	705	699	693	685	685	689	697	699	699	701	701	704	702	702	704	701	0	7 18	717	13 04	683	34
4	✓			703	704	709	708	711	713	714	714	715	710	703	695	696	692	695	703	703	706	708	702	707	710	711	710	706	0	8 05	717	13 42	691	26
5				713	714	712	712	710	712	718	721	723	720	708	705	706	706	708	719	717	702	689	694	701	700	702	700	709	0	8 39	723	18 52	683	40
6				705	707	710	708	705	706	712	715	712	708	711	719	728	729	723	722	713	712	707	707	706	707	708	708	712	0	13 03	732	4 43	703	29
7				710	710	709	704	710	709	715	715	712	712	718	726	726	721	712	707	708	709	707	707	707	709	710	713	712	0	11 16	729	3 42	701	28
8	✓	✓		715	701	701	702	707	707	708	710	707	699	701	704	701	699	704	707	710	705	710	710	709	704	712	710	706	0	0 12	721	13 24	696	25
9	✓	✓		709	710	710	713	711	715	721	720	716	715	718	710	704	710	704	707	707	708	710	708	709	711	710	709	711	0	6 40	722	14 44	702	20
10	✓			709	704	708	710	712	714	721	726	724	721	722	720	718	720	717	716	714	711	713	714	714	714	719	718	716	0	7 28	728	1 17	702	26
11				712	716	711	708	710	713	718	722	720	724	722	713	716	716	717	717	718	714	710	711	712	713	713	711	715	0	9 56	724	3 37	707	17
12			✓	714	714	718	729	724	720	714	711	710	712	711	714	717	714	714	717	725	722	715	701	694	696	695	708	713	0	3 06	733	20 30	689	44
13			✓	707	702	707	709	710	715	721	720	712	709	708	695	677	712	693	680	653	654	660	614	632	637	655	669	686	1	7 00	726	19 15	605	121
14			✓	694	685	676	673	683	685	681	674	655	637	638	636	642	650	668	676	687	690	687	694	692	692	713	713	676	0	22 50	720	11 12	632	88
15				712	709	703	694	690	695	698	700	694	690	684	681	688	693	690	687	692	695	693	697	694	697	690	704	695	0	23 33	719	11 44	679	40
16	✓			702	696	700	699	700	700	696	692	687	683	679	680	689	694	700	704	706	704	701	702	700	698	700	699	696	0	0 00	708	10 56	676	32
17	✓			708	714	712	705	703	708	711	709	699	693	694	687	683	685	688	699	705	707	709	712	713	714	717	717	704	0	24 00	720	12 48	682	38
18	✓	✓		718	717	717	718	725	721	718	717	712	712	718	723	716	716	709	712	714	703	709	709	710	711	711	711	714	0	12 00	728	17 52	699	29
19				714	714	717	717	719	723	721	720	717	721	724	724	724	729	729	728	728	729	720	726	727	724	713	713	722	0	17 29	737	22 26	704	33
20				714	732	729	711	710	716	724	709	705	709	716	718	714	705	697	697	692	691	696	701	702	704	704	704	708	0	1 50	740	17 46	689	51
21				704	704	704	704	705	704	709	711	705	698	693	697	702	704	698	690	691	698	701	699	701	700	704	706	701	0	6 57	712	15 45	688	24
22	✓	✓		705	706	707	709	711	716	719	716	707	705	703	702	703	700	699	704	710	713	715	716	717	717	717	719	710	0	6 43	720	14 08	698	22
23	✓	✓		719	719	720	720	721	722	727	728	725	730	730	722	723	721	721	721	721	719	725	722	722	720	721	722	723	0	9 45	732	17 28	717	15
24				721	722	724	720	722	726	726	724	719	728	728	721	713	709	712	716	722	729	730	730	727	727	718	725	722	0	19 26	733	13 04	705	28
25			✓	724	724	727	724	710	708	726	727	718	708	708	701	687	669	658	665	676	671	667	659	663	669	684	684	694	1	0 12	730	14 51	649	81
26			✓	694	697	699	705	703	720	710	698	687	684	685	680	685	681	677	688	685	679	687	693	693	691	703	702	693	0	5 05	723	14 11	666	57
27				697	696	695	694	699	701	702	697	691	690	683	676	667	672	680	680	686	692	693	696	701	702	702	702	691	0	6 27	704	12 21	664	40
28				704	708	710	702	699	702	704	699	700	702	701	700	697	692	697	703	703	704	698	695	700	711	705	701	702	0	2 04	715	13 47	687	28
29	✓			700	701	700	703	702	707	711	705	697	695	695	700	705	708	716	718	711	703	697	693	691	689	695	697	702	0	15 03	720	22 13	684	36
30				695	700	703	704	705	703	703	703	703	701	700	699	707	708	705	700	697	700	704	708	711	714	710	708	704	0	21 14	716	0 03	692	24
31																																		
MEANS ALL DAYS				707	707	708	707	707	709	712	710	706	703	703	701	701	701	701	703	703	702	702	700	701	703	705	706	705						38
MEANS TEN DAYS ✲				709	707	708	709	710	712	715	714	709	706	706	704	704	704	705	709	710	708	710	709	709	709	711	711	709						27
MEANS FIVE DAYS † (G. M. T.)				714	714	716	716	717	720	723	718 724	713 720	712	714	712	709	709	707	710	712	710	714	713	713	713	714	714	714						
MEANS FIVE DAYS ‡ (G. M. T.)				701	698	696	695	697	703	702	698	696	690	690	685	682	685	682	686	685	685	683	672	675	677	690	695	690						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧖ = NO RECORD

TABLE 161

HORIZONTAL INTENSITY

23977 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				708	711	710	711	708	710	708	714	716	724	726	727	711	695	701	716	714	713	708	705	706	711	714	715	712	0	11	16	730	14 10	683	47
2				714	709	714	721	717	716	717	719	720	728	726	720	716	709	707	700	701	710	709	712	709	708	709	710	713	0	9	28	731	15 26	696	35
3				715	712	709	710	710	712	718	723	715	713	703	699	698	695	699	698	704	707	710	717	718	718	720	718	710	0	7	14	723	13 32	693	30
4	✓			718	718	721	722	718	720	730	722	708	714	717	708	693	687	685	690	702	708	708	706	709	710	711	711	710	0	6	32	735	14 13	683	52
5				711	711	711	712	714	717	718	723	725	725	718	714	715	713	712	711	717	715	717	712	706	690	680	686	711	0	8	09	726	22 20	677	49
6			✓	686	677	682	697	689	688	695	697	695	689	687	692	692	689	691	697	698	703	705	705	711	714	714	714	696	1	20	41	719	1 36	674	45
7			✓	712	714	718	718	737	740	740	725	701	683	648	638	690	691	687	682	686	681	685	674	685	678	712	686	696	1	4	52	759	11 34	603	156
8			✓	681	677	680	674	675	673	670	668	681	673	660	655	665	665	648	664	671	681	674	671	670	682	695	722	674	1	23	46	746	14 25	639	107
9				724	703	702	703	696	689	684	674	670	688	693	695	709	699	701	697	699	686	684	687	689	697	686	692	694	1	0	00	739	8 13	664	75
10				713	705	708	695	692	693	691	685	690	701	701	703	709	706	705	703	698	693	694	696	698	701	701	712	700	0	0	24	720	8 03	683	37
11				705	703	702	703	708	705	708	701	693	690	698	701	700	704	712	709	696	698	698	696	701	701	700	701	701	0	14	27	715	9 28	688	27
12				702	705	709	705	705	709	714	715	706	697	683	682	684	688	695	687	698	705	707	706	708	709	714	719	702	0	23	30	722	10 40	680	42
13	✓			716	713	714	708	711	712	720	720	721	711	697	688	679	685	697	699	704	704	701	708	711	706	704	710	706	0	6	50	723	12 49	674	49
14	✓	✓		709	708	709	710	711	716	719	718	711	703	694	693	690	693	695	699	710	714	716	713	716	718	723	721	709	0	22	58	726	12 32	689	37
15				721	722	723	724	725	726	731	728	721	716	714	709	697	690	697	692	700	713	713	715	715	717	715	711	714	0	6	43	730	13 11	687	43
16				714	711	708	714	716	716	716	714	711	709	709	710	713	717	716	720	725	724	726	725	728	731	731	734	718	0	23	41	736	2 08	706	30
17	✓			735	732	734	726	720	718	716	725	718	713	709	705	702	696	697	699	702	707	706	710	709	707	710	715	713	0	0	38	741	13 45	692	49
18	✓	✓		710	710	711	711	712	717	719	716	719	723	722	726	730	728	719	712	712	710	710	711	711	712	713	712	716	0	12	58	731	17 30	709	22
19	✓	✓		714	715	716	716	717	723	726	721	711	707	713	721	721	721	719	716	714	713	716	719	721	721	721	723	718	0	6	23	726	9 12	706	20
20	✓	✓		723	723	724	724	724	727	733	737	735	735	734	729	722	717	716	716	717	721	724	727	732	732	732	735	727	0	23	27	739	15 10	715	24
21			✓	736	733	732	734	738	742	745	751	755	751	748	753	750	738	726	703	708	698	689	693	706	694	677	681	724	1	8	15	758	23 05	669	89
22			✓	695	701	704	709	716	707	707	694	692	713	712	710	699	702	701	704	681	693	695	693	701	685	686	710	700	1	23	45	733	16 44	676	57
23				702	699	699	699	705	704	705	704	705	704	704	709	720	722	708	704	699	701	698	704	705	709	710	710	705	0	13	26	726	16 23	691	35
24				711	713	712	709	705	704	705	707	702	710	725	723	720	718	702	704	701	702	704	705	704	715	708	703	709	0	10	40	729	14 32	695	34
25				705	719	716	715	710	705	701	698	693	689	691	706	724	726	712	704	699	696	701	701	709	709	713	708	706	0	12	57	729	10 08	686	43
26	✓			708	707	710	707	707	709	712	709	707	702	692	697	716	727	740	734	731	721	712	704	706	708	713	712	712	0	14	27	744	10 35	691	53
27				709	710	711	712	714	719	724	728	733	727	719	720	739	728	725	728	730	701	710	714	721	717	716	728	720	1	12	51	751	17 50	695	56
28				718	711	717	730	716	718	718	721	724	722	717	711	716	716	711	714	716	711	703	698	703	710	721	719	715	1	19	30	735	19 51	691	44
29				717	724	727	712	711	717	721	719	720	707	683	683	711	730	726	725	713	708	703	706	707	707	713	715	713	0	1	57	738	10 55	674	64
30	✓			716	710	712	718	716	716	719	719	711	710	704	702	706	706	704	704	709	712	715	713	718	713	715	717	712	0	5	45	722	11 18	699	23
31	✓	✓		725	723	716	715	715	720	723	720	723	720	716	709	707	710	710	707	706	705	710	715	716	717	719	720	715	0	0	47	732	17 10	703	29
MEANS ALL DAYS				712	711	712	712	712	713	715	713	711	710	705	704	708	707	705	704	705	705	705	705	708	708	710	712	709							48
MEANS TEN DAYS ✲				717	716	717	716	715	718	722	721	716	714	710	708	707	707	708	708	711	712	712	713	715	714	716	718	714							36
MEANS FIVE DAYS † (G. M. T.)				723	723	723	724	725	728	732	722 733	720 730	718	716	716	714	714	712	710	712	713	715	717	719	720	722	722	720							
MEANS FIVE DAYS ‡ (G. M. T.)				703	699	701	701	706	703	701	693	705	702	691	690	699	697	691	690	689	691	690	687	695	691	697	703	696							

DECEMBER 1939

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 162

VERTICAL INTENSITY

50954 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1939

JANUARY 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		516	516	515	516	516	517	519	516	519	514	505	491	482	482	486	492	491	495	504	511	514	517	518	518	507	0	6 41	519	12 55	481	38
2	✓			516	514	514	514	515	516	519	524	517	499	482	478	483	488	493	501	505	508	514	519	519	520	515	515	508	0	7 58	526	11 00	477	49
3	✓	✓		514	513	511	511	514	516	524	527	516	505	480	472	479	483	485	493	505	510	512	514	515	514	515	514	506	0	7 15	532	11 08	469	63
4	✓			514	512	512	512	512	516	525	527	519	497	464	451	462	480	493	506	519	520	519	516	516	516	516	516	506	0	7 36	528	11 32	449	79
5			✓	514	513	513	513	513	523	529	529	518	503	477	467	470	486	490	499	504	507	510	511	517	523	514	514	507	1	7 06	532	12 13	457	75
6				511	510	512	513	515	518	523	524	524	511	474	460	475	488	505	515	518	521	519	521	518	519	520	518	510	0	7 50	529	11 10	457	72
7				518	514	515	512	513	520	538	541	536	502	460	443	444	467	492	503	509	522	524	516	518	520	515	514	506	0	7 49	548	11 37	439	109
8				514	512	510	511	517	519	527	529	529	514	478	461	468	476	492	509	515	519	521	519	518	517	518	518	509	0	7 28	536	11 50	455	81
9			✓	519	517	511	507	508	524	537	544	544	512	459	435	443	456	479	499	526	544	539	528	521	522	524	523	509	1	8 05	551	11 40	431	120
10				520	517	512	513	517	521	533	541	539	513	484	474	467	474	490	496	510	517	521	527	535	528	522	521	512	0	8 21	549	12 19	464	85
11				515	514	514	512	511	522	530	546	547	518	481	455	459	473	493	502	518	529	531	531	531	528	519	521	512	0	8 10	554	11 35	450	104
12				519	517	512	510	510	513	538	547	546	533	509	475	463	469	480	484	488	503	516	517	513	520	523	514	509	0	8 29	550	12 15	461	89
13	✓			515	513	513	513	513	516	526	535	537	523	487	460	460	479	494	496	490	496	509	511	515	516	515	515	506	0	8 13	540	11 50	457	83
14				518	519	515	515	515	519	527	535	533	515	483	472	460	462	462	469	485	499	508	516	516	516	526	524	505	1	7 45	541	12 15	456	85
15				513	509	509	510	512	513	519	529	521	503	490	486	480	484	496	498	504	514	517	516	519	519	520	520	508	0	7 34	535	12 50	477	58
16				514	513	513	516	518	519	525	533	535	525	515	485	465	467	475	486	494	502	509	512	516	512	513	515	507	0	8 26	536	12 42	463	73
17			✓	519	518	515	516	509	516	525	531	520	512	505	504	502	495	497	504	511	511	512	525	530	521	518	519	514	1	7 43	535	13 50	491	44
18				516	514	512	512	511	511	515	519	520	505	493	484	474	476	484	498	501	507	514	517	517	517	517	517	506	0	7 04	523	12 55	470	53
19				515	513	513	512	515	517	518	526	530	515	499	487	482	492	497	502	506	512	513	514	520	516	514	513	510	0	8 32	534	12 08	478	56
20				515	512	510	510	510	519	526	530	518	493	453	437	443	463	482	498	502	508	519	515	512	514	515	513	501	0	7 35	538	11 35	436	102
21			✓	510	509	509	514	517	520	530	541	530	502	456	443	447	454	463	483	497	505	513	513	513	529	527	518	502	1	7 20	545	11 42	442	103
22			✓	514	516	498	503	506	511	523	534	534	511	455	422	443	466	483	501	506	506	507	507	510	513	513	512	500	1	7 20	541	11 20	419	122
23				511	509	507	503	512	516	519	539	534	514	475	443	437	450	468	481	492	508	516	512	509	515	522	516	500	0	7 43	542	12 21	434	108
24				510	506	504	502	506	510	518	529	537	528	497	447	440	470	500	519	522	523	518	513	514	516	516	514	507	0	8 18	539	12 05	431	108
25				512	511	509	509	509	516	519	528	537	526	509	476	452	446	452	466	479	493	509	512	513	511	512	512	501	0	8 37	538	13 12	446	92
26	✓	✓		511	509	508	506	508	513	519	526	533	528	519	487	450	441	454	477	494	507	510	508	510	515	514	511	502	0	8 10	536	13 10	441	95
27	✓	✓		511	509	508	508	507	509	518	529	534	529	515	484	450	433	437	459	478	496	509	509	509	510	510	510	499	0	8 35	535	13 55	432	103
28	✓			510	509	507	504	504	507	515	527	537	533	524	510	486	459	456	462	476	490	502	505	508	508	508	510	502	0	8 40	538	14 12	454	84
29	✓			513	513	512	510	503	508	513	517	527	526	521	505	487	471	466	474	488	499	511	513	509	510	510	511	505	0	8 38	531	14 29	463	68
30	✓	✓		511	510	509	506	507	507	512	519	526	520	512	499	462	444	463	489	503	512	512	512	511	509	508	510	503	0	8 50	528	13 30	439	89
31				510	509	509	507	508	511	515	517	512	504	491	483	477	470	471	481	491	500	511	514	512	510	511	513	502	0	7 59	518	13 40	468	50
MEANS ALL DAYS				514	513	511	510	511	516	523	530	529	514	489	470	464	469	480	492	501	509	514	515	516	517	516	515	506						82
MEANS TEN DAYS ✲				513	512	511	510	510	512	519	525	526	517	501	484	470	466	473	485	495	503	510	512	513	514	513	513	504						75
MEANS FIVE DAYS † (G. M. T.)				512	511	510	509	509	512	518	523 525	526 524	519	506	487	465	457	465	482	494	504	509	511	512	513	513	513	503						
MEANS FIVE DAYS ‡ (G. M. T.)				514	513	508	509	512	515	523	531	529	508	470	454	461	471	482	497	509	515	516	517	518	522	519	517	506						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 163

VERTICAL INTENSITY

50954 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1939 — FEBRUARY 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	510	506	506	506	507	510	516	522	517	497	478	470	471	469	477	485	488	492	490	498	503	515	522	510	499	1	7	45 526	13	26 467	59
2				506	506	515	524	517	518	516	504	496	490	471	483	493	493	494	503	503	501	510	513	513	516	520	520	505	1	3	20 528	10	22 467	61
3				513	509	510	518	513	512	504	523	520	495	473	469	472	489	504	512	508	502	502	514	517	516	515	512	505	1	3	01 529	10	58 465	64
4				514	509	505	507	509	502	530	541	528	504	492	482	484	485	489	510	517	514	515	524	518	511	512	511	509	0	7	31 545	11	40 479	66
5				508	507	507	505	512	520	536	546	538	515	493	476	465	462	475	501	514	520	522	518	516	512	513	514	508	1	7	31 549	13	28 461	88
6			✓	511	504	502	498	488	499	521	531	539	532	499	469	455	449	473	495	513	525	546	557	574	580	552	553	515	1	21	18 621	13	23 446	175
7			✓	534	535	520	510	506	509	520	528	530	532	506	485	477	481	490	506	520	529	533	530	541	538	533	532	518	1	20	45 564	12	36 477	87
8	✓			530	524	501	507	511	514	525	534	545	542	520	490	468	467	471	495	514	520	521	520	520	523	524	523	513	0	8	43 548	13	48 464	84
9				520	518	510	506	510	512	520	540	554	557	534	498	472	455	458	483	506	521	525	528	528	524	524	521	514	0	9	16 561	13	44 452	109
10				521	517	503	509	513	499	518	514	521	532	519	499	479	479	483	489	501	513	515	510	515	522	523	527	509	1	9	30 535	13	30 479	56
11				526	528	522	512	509	511	519	524	516	515	502	487	474	471	477	490	503	517	531	528	521	518	518	518	510	0	18	46 537	13	13 470	67
12	✓	✓		517	515	513	511	515	517	525	530	533	526	513	493	470	464	463	470	489	502	510	511	512	514	516	517	506	0	8	31 536	14	40 461	75
13	✓	✓		517	515	512	510	509	511	516	519	518	515	507	492	470	466	480	492	502	508	510	510	510	513	513	514	505	0	7	59 522	13	16 463	59
14	✓			514	514	511	510	517	517	514	522	527	524	492	455	435	442	455	482	497	507	512	510	515	512	512	512	500	1	8	06 531	12	39 433	98
15				511	516	512	508	508	509	516	528	537	527	487	450	438	441	453	484	504	515	517	515	514	516	516	518	502	1	8	26 540	12	41 438	102
16				512	510	507	507	507	512	519	530	540	533	504	465	444	443	454	474	504	513	517	517	518	523	527	526	504	1	9	03 550	12	35 439	111
17				523	508	508	511	511	508	522	536	541	534	512	468	438	435	449	473	492	515	517	517	522	527	532	522	505	1	8	35 543	12	49 432	111
18				507	510	507	507	500	509	518	529	526	516	499	469	437	432	446	472	495	511	512	516	516	515	515	514	499	1	7	40 536	13	00 426	110
19				511	507	508	508	508	511	510	521	533	525	508	488	465	456	458	475	496	509	516	517	524	514	520	514	504	1	8	21 537	13	15 455	82
20	✓			507	507	505	505	499	509	520	533	540	532	476	440	440	452	470	490	503	509	508	506	509	512	515	510	500	0	8	26 543	12	05 439	104
21	✓	✓		509	511	507	502	502	505	517	535	546	534	495	455	436	434	448	466	490	503	506	505	507	509	511	508	498	0	8	20 548	13	15 432	116
22	✓	✓		508	505	502	502	501	505	514	530	540	534	507	468	434	427	437	459	487	500	504	504	507	507	508	508	496	0	8	11 543	13	20 425	118
23	✓			507	507	504	500	500	502	507	521	527	527	506	474	451	441	448	465	485	500	504	506	506	504	507	507	496	0	8	10 530	13	14 438	92
24			✓	506	505	504	501	498	495	504	520	533	527	500	455	428	435	451	470	491	502	505	511	531	532	534	543	499	2	23	53 544	12	51 421	123
25			✓	550	557	544	496	509	468	463	494	479	491	507	480	461	470	481	522	544	558	557	545	557	553	537	542	515	2	17	45 576	5	37 376	200
26	✓			559	542	523	516	510	523	533	543	550	548	533	497	464	447	451	469	491	508	514	514	515	517	520	520	513	0	0	13 569	13	49 444	125
27	✓	✓		520	518	516	511	511	517	520	535	542	543	530	496	458	437	437	451	477	500	512	512	513	523	523	519	505	0	9	25 546	14	00 434	112
28				516	516	514	513	513	513	518	526	536	535	518	476	449	444	456	477	495	512	515	518	516	515	514	522	505	0	8	58 538	13	13 440	98
29																																		
30																																		
31																																		
MEANS ALL DAYS				517	515	511	508	508	508	516	527	530	524	503	476	458	456	465	484	501	512	516	517	520	521	521	520	506						98
MEANS TEN DAYS ✲				519	516	509	507	508	512	519	530	537	532	508	476	453	448	456	474	494	506	510	510	511	513	515	514	503						98
MEANS FIVE DAYS † (G. M. T.)				512	511	509	507	508	510	514	530 524	536 530	530	510	481	454	446	453	468	489	503	508	508	510	513	514	513	501						
MEANS FIVE DAYS ‡ (G. M. T.)				536	533	521	511	511	506	511	521	520	516	498	472	458	461	474	496	511	521	526	528	541	544	536	536	512						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 164

VERTICAL INTENSITY

50954 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

MARCH 1939 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME) MARCH 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				535	528	518	518	521	521	522	527	532	528	495	449	431	436	459	483	512	522	518	515	515	522	534	528	507	1	22 10	560	12 40	428	132
2				535	519	505	509	511	505	506	525	546	522	514	478	482	489	496	515	525	533	521	524	529	533	515	513	515	1	8 50	554	11 37	465	89
3				514	514	514	511	514	521	528	537	534	524	508	487	468	458	462	477	504	526	528	529	530	544	531	526	512	1	21 30	553	13 38	455	98
4				514	514	513	509	510	510	518	511	531	530	507	468	473	490	506	513	523	530	533	533	530	525	513	520	514	1	18 26	536	11 28	464	72
5	✓			519	522	506	493	507	500	500	513	525	525	505	480	469	470	479	497	511	524	528	526	527	520	516	515	507	0	20 43	533	12 41	467	66
6				515	515	509	499	508	512	507	519	538	531	508	482	462	459	472	487	509	529	532	540	531	535	525	522	510	0	19 35	552	13 40	456	96
7	✓	✓		517	509	509	506	502	506	522	539	546	538	522	492	470	471	482	496	509	517	521	522	525	523	519	518	512	0	8 42	548	12 50	468	80
8				515	510	510	509	509	512	522	535	538	531	500	472	453	456	472	496	503	515	522	519	522	522	523	519	508	1	8 12	542	12 57	449	93
9				515	512	503	502	505	512	518	525	535	531	522	490	459	446	449	466	492	512	516	518	522	525	529	525	505	1	22 21	542	14 14	442	100
10	✓			522	522	512	505	507	511	516	525	536	530	510	480	456	444	450	461	478	500	510	509	514	522	523	520	503	0	8 44	542	13 10	441	101
11				517	516	512	510	513	504	512	520	530	530	516	493	475	469	468	487	490	505	519	514	513	516	516	518	507	0	9 13	534	14 09	460	74
12				512	520	508	501	508	508	515	521	522	525	509	486	476	476	475	485	498	508	511	511	512	515	519	529	506	0	23 28	539	13 30	473	66
13	✓	✓		520	513	512	497	503	509	512	513	527	523	500	477	457	455	462	476	496	513	520	522	512	514	516	515	503	0	19 05	535	13 14	453	82
14	✓			512	512	512	512	510	509	510	514	519	515	500	484	474	471	476	488	496	505	507	517	521	517	516	520	505	0	19 45	530	13 44	467	63
15				517	516	516	514	511	510	510	513	517	516	497	480	468	462	468	477	500	510	512	517	516	514	513	517	504	1	19 30	520	13 00	461	59
16				523	521	510	511	506	509	513	519	518	509	479	465	466	475	483	489	499	516	515	520	526	515	512	508	504	1	1 13	540	12 50	461	79
17				503	504	513	507	509	507	512	518	519	509	491	482	479	482	492	498	504	507	511	514	512	508	515	515	505	0	8 13	523	12 06	478	45
18	✓	✓		511	511	511	505	506	511	514	518	521	515	492	475	459	462	478	488	500	510	511	510	511	511	510	511	502	0	9 14	523	12 55	458	65
19	✓	✓		508	507	506	506	507	509	514	520	523	512	493	483	475	475	482	487	499	503	506	508	509	510	509	509	502	0	8 25	523	13 17	473	50
20	✓			505	504	502	504	506	508	509	511	519	512	489	472	462	459	469	483	495	502	505	506	509	509	508	507	498	0	8 34	524	13 46	456	68
21				507	503	501	501	503	505	511	521	524	516	478	448	445	445	457	471	493	509	532	533	536	527	521	514	500	1	18 40	541	13 11	441	100
22			✓	508	507	497	501	504	509	515	517	516	502	480	467	459	460	470	487	498	523	543	545	534	534	523	514	505	1	18 37	563	13 56	455	108
23				507	508	493	497	498	501	504	514	524	517	502	488	483	484	491	504	510	524	511	507	511	518	519	521	506	1	17 50	533	12 22	481	52
24	✓			518	504	504	505	498	489	501	520	532	522	503	489	478	475	480	495	509	513	509	512	511	519	515	515	505	0	8 32	536	13 30	473	63
25	✓	✓		510	512	510	509	505	503	509	519	523	512	494	477	475	473	480	492	503	508	510	511	514	516	515	512	504	0	8 23	525	13 12	471	54
26				510	507	507	507	505	507	514	514	513	508	495	482	478	475	482	490	504	514	511	514	521	518	515	515	504	0	20 44	522	13 07	474	48
27			✓	515	513	495	511	498	497	511	515	512	503	484	466	465	466	473	489	500	515	519	519	516	515	515	515	501	1	19 04	528	12 00	462	66
28			✓	523	523	516	484	506	497	497	518	523	520	501	481	470	470	473	487	510	526	527	532	539	539	513	553	510	1	23 18	565	3 05	457	108
29			✓	540	513	520	520	520	493	484	474	487	496	490	490	483	487	490	530	540	556	526	550	540	532	518	524	513	2	19 50	599	7 10	460	139
30			✓	503	517	516	497	487	500	507	507	513	516	517	503	497	497	495	499	513	520	527	520	525	528	516	517	510	1	18 17	552	0 06	480	72
31				510	507	516	512	498	506	507	517	519	510	504	503	499	497	503	513	518	520	527	527	516	517	524	521	512	1	22 41	530	1 00	484	46
MEANS ALL DAYS				515	513	509	506	506	506	511	518	525	519	500	480	469	469	477	491	505	517	519	521	521	521	518	519	506						79
MEANS TEN DAYS ✲				514	512	508	504	505	506	511	519	527	520	501	481	468	466	474	486	500	510	513	514	515	516	515	514	504						69
MEANS FIVE DAYS † (G. M. T.)				510	508	507	508	507	509	514	522 519	528 522	520	500	481	467	467	477	488	501	510	514	515	514	515	514	513	504						
MEANS FIVE DAYS ‡ (G. M. T.)				517	514	512	502	502	499	500	506	510	507	494	481	475	476	480	498	512	528	528	533	531	530	517	525	507						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 165

VERTICAL INTENSITY

50954 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1939 — APRIL 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				513	508	509	506	513	510	507	513	514	510	500	497	492	485	494	500	520	527	533	536	535	523	523	508	512	1	20	19 540	13	38 480	60
2				520	505	506	503	506	504	513	507	516	510	506	494	487	487	500	510	517	518	520	523	523	520	517	516	510	0	21	10 529	13	06 483	46
3				514	501	502	514	508	513	515	512	531	528	518	501	491	491	492	498	514	527	521	521	530	530	521	518	513	0	20	41 535	1	50 484	51
4				517	509	498	509	511	507	508	512	521	518	505	488	478	485	494	504	511	514	516	518	519	518	518	515	508	0	8	14 524	12	20 478	46
5				510	508	506	491	530	518	516	519	519	518	513	504	491	487	483	489	501	506	511	513	520	527	530	523	510	0	22	03 543	3	32 475	68
6	✓	✓		517	513	513	510	511	513	517	525	530	524	515	498	477	470	483	484	500	508	513	516	518	520	519	517	509	0	8	07 532	13	20 464	68
7	✓	✓		513	511	510	510	508	509	512	520	527	523	510	497	477	464	470	480	493	504	511	513	516	517	517	515	505	0	8	22 530	13	40 466	64
8				517	513	510	509	510	509	511	518	523	523	510	490	474	464	472	484	495	503	510	510	514	517	520	521	505	0	8	45 526	13	25 463	63
9				520	519	521	513	514	507	510	510	516	513	497	484	470	464	470	483	494	503	507	510	514	520	521	520	504	0	2	44 526	13	13 461	65
10				517	514	506	507	513	515	513	520	523	500	497	484	457	461	475	491	521	522	518	518	527	535	521	514	507	1	21	03 550	12	21 454	96
11				518	519	511	490	510	513	516	518	523	521	509	492	469	465	470	474	496	517	522	525	515	519	522	515	506	1	19	05 549	13	15 460	89
12				517	507	506	513	505	511	500	510	524	523	517	507	484	470	480	500	523	523	520	521	529	513	512	512	509	1	20	32 552	13	20 463	89
13	✓	✓		513	512	510	511	512	511	512	516	528	531	521	505	485	472	478	498	502	507	512	518	515	519	516	514	509	0	9	30 532	13	30 466	66
14	✓			511	508	508	507	513	514	514	518	523	519	514	496	472	464	461	480	494	506	516	516	516	517	517	516	505	0	8	26 527	14	13 455	72
15	✓	✓		509	509	512	512	511	511	512	511	511	503	494	485	467	466	477	489	493	503	513	513	512	513	516	513	502	0	22	31 517	13	07 460	57
16	✓	✓		510	509	507	509	508	513	516	518	516	499	483	469	459	456	462	476	488	502	508	511	511	511	511	510	498	0	8	10 519	13	15 453	66
17			✓	508	507	507	507	507	506	506	509	507	497	481	490	488	493	479	502	536	549	579	598	583	598	576	581	525	2	21	50 653	14	13 459	194
18			✓	549	509	503	508	505	504	525	532	537	536	528	517	502	497	497	513	539	520	527	534	558	542	544	513	522	2	20	27 591	14	26 493	98
19				534	510	512	506	510	508	515	509	519	513	510	506	490	479	480	493	510	516	520	526	529	551	559	556	515	1	22	10 568	14	08 460	108
20				542	518	505	499	492	502	512	514	522	528	524	518	512	514	516	522	539	537	538	543	553	538	539	541	524	1	20	13 556	4	51 478	78
21				523	529	526	522	518	526	530	533	537	536	525	509	499	498	504	520	524	532	537	541	548	549	545	535	527	1	20	50 552	13	10 492	60
22				536	532	525	520	515	512	521	525	541	534	511	498	495	497	509	517	522	524	527	527	530	540	548	560	524	1	23	53 564	12	40 494	70
23			✓	551	537	507	516	516	518	520	522	533	533	526	493	478	485	515	528	551	566	576	581	581	574	571	548	534	2	19	54 602	13	49 462	140
24			✓	538	531	514	516	513	513	527	533	540	534	522	515	509	506	512	517	522	530	530	531	532	533	530	530	524	2	0	38 547	2	53 484	63
25			✓	529	506	478	461	474	534	544	512	531	552	528	504	484	494	511	524	535	543	551	555	546	545	539	530	521	2	9	36 571	4	29 399	172
26	✓			522	535	532	522	525	526	514	514	536	531	528	522	510	508	507	510	517	524	526	527	530	530	530	530	523	0	0	04 552	0	18 495	57
27				530	527	525	526	526	527	529	534	536	531	519	511	501	498	501	508	518	525	526	526	527	528	528	528	522	0	8	00 539	13	35 497	42
28	✓			528	529	525	525	525	517	510	525	523	527	527	526	518	514	513	515	520	531	531	533	530	531	538	531	525	0	22	21 547	14	16 507	40
29	✓			526	525	522	519	520	517	522	526	536	540	537	529	519	506	505	509	520	532	534	530	534	531	558	525	526	0	9	26 543	13	43 503	40
30	✓			522	522	525	519	518	521	522	529	534	538	535	518	505	502	501	502	512	519	521	523	524	526	531	534	521	0	9	26 539	15	00 501	38
31																																		
MEANS ALL DAYS				522	516	511	509	512	514	516	519	526	523	514	502	488	485	490	501	514	521	526	529	531	531	531	526	515						76
MEANS TEN DAYS ✲				517	517	516	514	515	515	515	520	526	524	516	504	489	482	486	494	504	514	518	520	521	522	525	520	512						57
MEANS FIVE DAYS † (G. M. T.)				512	510	508	508	509	510	512	518 517	522 519	516	505	491	473	466	474	485	495	505	511	514	514	516	516	514	504						
MEANS FIVE DAYS ‡ (G. M. T.)				534	518	508	503	505	517	525	520	530	530	517	504	492	495	503	517	537	542	553	560	560	558	552	540	526						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 66

VERTICAL INTENSITY

50953 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1939 MAY 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	525	527	512	529	522	522	526	531	534	532	524	513	503	502	501	508	520	529	533	540	572	573	557	556	529	1	21	17	14	50	495	103
2			✓	549	541	537	529	500	482	497	499	486	500	526	528	524	525	525	538	524	533	534	551	542	553	541	547	525	1	21	32	5	26	456	112
3				537	526	530	534	528	534	524	520	523	524	517	509	501	503	508	523	518	531	544	540	540	541	540	537	526	0	18	33	13	40	500	47
4	✓			530	523	523	524	522	527	527	533	534	533	521	512	507	506	507	514	514	521	526	528	531	531	530	528	523	0	9	00	13	10	504	34
5				527	526	523	520	521	523	524	526	527	527	520	513	503	505	508	515	513	527	528	527	530	531	533	532	522	1	22	19	12	36	501	33
6			✓	529	522	521	520	517	504	513	516	523	517	513	506	499	493	493	496	506	516	522	530	532	571	560	550	520	1	21	44	4	50	480	103
7			✓	516	534	519	519	512	513	516	503	517	534	525	530	522	519	501	526	516	532	536	550	547	547	554	539	526	1	19	12	14	27	494	65
8			✓	530	526	520	517	516	519	522	528	542	546	535	529	512	498	497	508	516	530	535	549	545	549	546	536	527	1	21	19	13	43	486	77
9				529	526	519	520	519	518	516	522	529	533	533	530	522	510	512	516	519	536	530	533	539	539	536	535	526	1	19	20	14	06	503	54
10	✓			528	525	527	525	525	522	522	526	532	530	525	518	510	501	499	501	510	519	524	527	526	528	528	525	521	0	8	17	13	50	495	38
11	✓	✓		525	521	523	522	521	521	520	524	533	529	526	518	505	501	501	506	515	521	522	528	529	529	530	527	521	0	8	35	14	32	499	36
12	✓	✓		524	523	523	521	521	520	520	524	530	534	528	517	501	495	496	505	513	518	522	523	529	526	526	523	519	0	22	33	13	57	492	44
13	✓	✓		521	521	517	518	521	520	517	516	523	525	518	511	500	493	494	505	516	526	524	524	527	533	527	521	517	0	21	13	13	45	489	46
14	✓	✓		523	522	520	520	521	513	518	518	523	523	517	512	510	500	496	503	515	520	522	523	523	524	523	519	517	0	21	47	14	11	493	33
15	✓			516	517	518	518	518	517	515	516	522	522	512	501	492	489	491	503	516	527	533	537	538	539	531	531	517	0	21	48	13	30	485	62
16				516	513	514	516	515	516	516	517	520	517	503	498	494	493	504	510	530	546	543	533	538	538	525	522	518	1	17	50	13	29	480	73
17				519	518	518	520	521	523	521	524	528	528	520	506	493	492	500	504	511	521	523	524	528	525	525	531	518	0	23	42	13	44	486	46
18	✓			531	522	513	498	516	518	517	524	518	523	519	511	510	509	506	505	518	524	524	529	535	540	538	531	520	0	21	36	3	05	481	63
19				521	520	517	513	513	514	509	515	523	530	525	526	512	506	507	507	516	521	524	527	529	529	525	521	519	0	9	27	13	16	503	31
20				517	514	511	517	520	517	504	514	523	523	520	523	519	519	512	508	520	529	530	536	533	532	531	539	521	0	23	25	6	23	500	43
21				528	519	517	513	513	516	519	519	517	524	518	510	503	505	502	507	513	519	522	523	530	541	546	539	519	0	22	28	14	38	500	55
22				537	527	525	513	509	512	506	508	525	523	528	526	517	508	510	512	518	552	541	538	537	538	539	536	524	1	17	48	13	24	501	74
23				519	516	515	517	515	517	516	498	524	531	534	531	519	510	500	511	533	531	539	543	536	532	530	532	523	1	19	43	7	27	485	62
24				529	532	509	513	509	511	505	505	511	527	525	515	514	514	513	507	518	523	524	525	526	528	531	548	519	1	23	41	8	04	496	59
25				521	521	523	514	507	500	507	517	523	518	531	533	519	516	512	513	517	524	523	528	529	529	533	518	520	1	23	00	4	19	497	44
26				524	518	517	518	505	498	501	508	526	536	531	522	515	513	511	513	521	535	528	526	531	525	528	523	520	0	23	25	4	56	487	54
27				521	518	516	509	518	515	514	508	515	520	519	515	518	521	513	512	519	528	528	528	527	526	524	521	519	0	18	50	3	27	505	26
28				517	518	519	519	518	510	509	498	522	520	522	521	508	500	498	501	512	521	523	528	529	527	524	524	516	1	19	56	14	01	483	51
29				522	521	518	518	518	518	513	513	520	526	523	518	516	520	524	527	519	530	537	542	555	550	526	530	525	1	21	17	7	08	507	68
30	✓			522	526	521	526	522	519	523	522	529	532	525	515	507	487	482	495	512	522	525	525	528	528	526	521	518	0	9	02	14	19	478	57
31	✓	✓		519	517	517	517	518	519	517	516	523	523	519	516	509	503	495	499	513	518	520	522	523	522	520	518	516	0	20	26	14	49	493	31
MEANS ALL DAYS				525	523	519	519	517	515	515	516	523	526	523	517	509	505	504	510	517	527	529	532	534	536	533	531	521							56
MEANS TEN DAYS *				524	522	520	519	520	520	520	522	527	527	521	513	505	498	497	504	514	522	524	527	529	530	528	524	519							44
MEANS FIVE DAYS † (G. M. T.)				520	519	518	518	519	517	517	520 518	526 524	527	522	515	505	498	496	504	514	521	522	524	526	527	525	522	518							
MEANS FIVE DAYS ‡ (G. M. T.)				532	531	525	524	515	513	515	514	520	526	525	521	512	507	503	515	516	528	532	544	548	559	552	546	526							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 167

VERTICAL INTENSITY

50953 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1939 — JUNE 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				516	514	514	515	515	516	513	515	520	521	521	515	504	504	490	487	500	514	517	520	521	521	521	525	513	0	23	526	15	05	485	41
2				529	522	513	512	510	511	510	508	514	515	517	515	513	506	501	495	504	517	520	530	537	537	534	530	517	1	20	50 544	15	45	491	53
3				532	523	519	512	513	516	515	513	508	506	502	499	497	497	493	495	509	517	519	536	529	525	524	524	513	0	19	47 554	14	50	485	69
4				524	520	514	513	516	513	515	513	515	512	508	502	500	508	502	499	513	517	520	524	528	530	524	525	515	1	21	41 532	15	22	492	40
5				511	522	515	513	514	513	513	512	516	519	518	512	503	501	500	506	514	517	520	523	526	523	522	522	515	0	20	58 536	14	26	495	41
6	✓			513	514	513	512	512	513	514	518	525	525	518	511	503	499	493	501	511	515	518	518	521	521	521	521	514	0	9	22 530	14	20	489	41
7	✓	✓		518	514	513	513	510	513	511	513	519	521	519	504	497	494	500	507	514	514	514	516	519	519	519	519	512	0	9	43 522	13	16	490	32
8	✓	✓		517	515	514	513	510	510	509	509	519	522	516	509	502	496	499	502	511	515	516	515	517	519	519	519	512	0	9	26 523	13	18	493	30
9	✓	✓		515	514	511	543	511	511	508	508	515	518	515	506	502	498	499	503	510	512	514	515	515	515	515	515	512	0	9	30 519	13	54	495	24
10	✓			514	512	511	510	510	510	510	508	510	513	513	507	499	498	498	500	511	514	514	514	512	512	512	513	509	0	9	21 523	12	51	494	29
11	✓	✓		512	509	506	508	509	508	507	505	505	506	505	499	498	501	499	506	513	514	515	515	519	515	514	512	508	0	20	31 521	11	51	494	27
12	✓			510	510	510	510	510	509	508	503	507	507	506	503	497	491	494	500	510	516	520	519	519	520	513	510	508	0	21	34 524	13	28	490	34
13				509	508	506	508	508	507	506	505	512	511	499	498	499	495	492	497	506	511	513	515	515	514	514	514	507	0	23	39 518	14	22	489	29
14			✓	505	502	505	504	497	505	503	497	510	497	502	506	506	499	499	512	533	557	561	573	557	560	549	547	520	2	19	12 614	9	52	483	131
15	✓			535	530	513	509	505	507	515	521	519	519	518	519	512	506	505	515	526	527	529	536	530	526	526	523	520	0	19	42 541	4	53	498	43
16			✓	518	516	517	517	516	519	518	519	523	523	523	519	516	505	509	515	541	561	535	540	543	543	539	541	526	1	17	40 575	13	38	499	76
17	✓			524	516	512	516	519	520	523	524	532	535	532	520	506	498	498	504	518	523	524	525	526	525	523	521	519	0	9	37 536	14	00	496	40
18				517	515	515	514	517	517	519	520	527	527	522	520	516	509	505	512	520	523	544	542	537	541	553	529	523	1	22	11 570	14	04	496	74
19			✓	523	520	516	503	509	509	511	506	509	513	516	516	509	506	505	506	519	529	532	532	539	530	533	533	518	1	21	05 553	12	50	492	61
20				513	512	512	513	510	510	509	500	518	534	533	526	514	505	507	509	525	526	528	530	536	533	533	530	519	0	21	02 545	15	00	499	46
21				522	517	514	514	515	516	517	515	525	526	529	519	516	516	508	522	522	523	525	531	525	529	525	524	521	1	19	35 540	14	37	502	38
22				519	517	515	512	509	509	507	507	520	523	524	515	500	501	500	511	516	524	528	521	522	523	523	522	515	0	18	27 537	14	08	492	45
23				523	519	517	516	515	515	514	512	519	529	524	521	515	512	501	501	514	521	519	521	524	525	521	518	517	0	9	25 537	15	11	499	38
24				521	518	515	514	515	514	514	513	524	528	530	520	509	500	499	508	517	521	521	522	525	525	524	521	517	0	10	39 534	14	13	494	40
25	✓	✓		517	516	515	514	516	516	513	516	523	527	527	522	508	501	501	505	515	518	516	516	518	520	520	519	516	0	9	09 530	14	05	498	32
26				517	515	515	515	515	511	512	518	525	526	525	516	500	484	484	491	504	517	518	518	517	515	516	515	512	1	9	13 533	13	10	477	56
27			✓	513	511	511	511	503	512	513	518	506	518	513	484	491	487	485	501	509	514	524	528	534	534	534	528	512	1	20	38 542	14	52	474	68
28			✓	523	517	515	514	516	515	515	511	514	514	514	511	504	494	491	499	509	513	515	518	519	520	519	519	512	0	19	53 528	14	07	485	43
29				520	518	517	510	507	510	499	500	508	520	521	506	503	497	490	494	516	518	527	529	540	532	528	534	514	1	20	40 558	14	46	476	82
30				511	512	513	513	512	513	513	512	520	525	522	517	498	488	488	491	505	527	519	521	524	524	527	517	513	0	17	48 542	13	56	484	58
31																																		
MEANS ALL DAYS				518	516	513	513	511	512	512	511	517	519	518	511	505	500	498	503	514	521	523	525	526	526	525	523	515							49
MEANS TEN DAYS *				518	515	512	515	511	512	512	512	517	519	517	510	502	498	499	504	514	517	518	519	520	519	518	517	513							33
MEANS FIVE DAYS † (G. M. T.)				515	513	512	518	511	510	509	510 509	516 515	519	516	508	501	498	500	505	513	515	515	515	518	518	517	517	512							
MEANS FIVE DAYS ‡ (G. M. T.)				523	519	514	512	511	512	512	511	512	513	514	507	505	498	498	507	522	535	533	538	538	537	535	534	518							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = NO RECORD

TABLE 168

VERTICAL INTENSITY

50953 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1939 — JULY 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				516	514	511	511	511	513	511	501	524	525	526	518	513	490	477	492	513	514	524	521	524	526	527	522	514	0	18 46	533	14 20	473	60
2				518	515	513	515	514	513	514	516	525	527	527	514	501	501	497	502	510	516	517	521	526	523	524	521	515	0	20 47	529	14 40	495	34
3			✓	516	512	509	509	512	515	513	512	517	520	520	518	505	496	490	493	507	519	512	533	576	566	556	531	519	1	21 00	605	15 19	480	125
4			✓	530	526	503	513	514	511	515	516	514	517	515	511	502	494	487	490	504	515	520	524	521	521	518	522	513	1	0 14	537	2 15	472	65
5			✓	506	540	516	513	510	497	495	496	505	509	519	506	500	492	501	515	538	551	570	565	589	584	581	595	529	2	23 37	608	5 32	477	131
6				545	543	516	506	495	494	503	508	514	522	529	522	514	509	508	512	522	540	529	532	533	533	532	531	520	1	1 10	575	5 50	475	100
7	✓	✓		528	524	522	522	520	520	520	521	531	538	540	532	521	511	506	506	512	519	521	523	525	521	526	526	522	0	10 30	541	15 20	506	35
8	✓			524	528	530	531	527	529	529	526	525	531	531	519	510	501	498	498	511	518	519	522	524	523	524	527	521	0	9 27	532	14 50	496	36
9	✓	✓		524	524	522	521	515	512	512	514	518	522	521	511	500	492	493	501	510	516	517	517	517	519	520	519	514	0	1 10	527	14 00	490	37
10	✓	✓		519	519	518	517	516	515	510	507	514	523	522	517	514	500	490	497	509	517	518	517	517	517	517	516	514	0	9 50	525	14 25	489	36
11				512	512	509	508	508	509	509	511	518	525	524	512	505	494	481	485	504	511	512	511	504	504	514	512	508	0	9 50	527	14 42	478	49
12				509	508	508	513	514	513	512	510	513	518	515	505	499	492	491	499	510	512	512	512	515	519	519	524	510	0	23 10	527	14 33	490	37
13	✓	✓		523	530	512	509	512	513	513	512	525	532	532	525	509	502	497	506	517	522	522	522	520	519	520	515	517	0	10 27	535	14 33	496	39
14				513	513	513	515	514	515	514	514	518	521	522	511	483	474	474	492	510	519	533	532	542	545	545	541	516	1	22 00	557	13 36	467	90
15				536	522	519	517	519	509	505	507	525	529	522	507	501	491	489	499	515	519	522	526	530	525	522	517	516	0	1 20	542	14 30	486	56
16				514	512	512	512	512	514	515	515	525	529	526	519	504	490	484	490	505	518	521	527	529	529	523	518	514	0	21 47	536	14 33	480	56
17				516	518	514	505	504	508	510	514	517	522	533	526	509	498	494	494	519	524	523	527	530	526	522	520	516	1	10 39	540	15 53	480	60
18				513	513	512	509	512	510	511	517	532	536	531	525	521	502	499	502	514	522	526	527	526	526	523	522	518	0	9 40	542	14 14	497	45
19				519	507	506	508	507	508	512	521	532	536	523	513	499	493	497	508	517	521	518	520	521	522	525	524	515	1	9 42	538	13 20	492	46
20			✓	515	510	510	509	509	509	495	501	513	523	530	513	497	495	505	506	509	516	527	536	563	567	587	547	520	1	22 20	622	13 40	484	138
21			✓	537	527	514	520	512	497	510	514	521	527	526	516	505	500	492	491	507	517	514	525	549	570	576	549	522	1	22 06	593	15 08	490	103
22				528	528	538	521	518	517	514	515	524	530	524	511	504	481	481	495	508	515	516	526	545	534	524	523	518	1	20 45	554	13 51	473	81
23				520	519	518	514	513	514	511	515	524	530	531	513	500	499	485	487	502	519	520	520	521	520	520	520	514	0	10 08	540	14 56	482	58
24	✓			519	518	517	517	516	515	515	512	522	528	528	519	504	498	493	494	509	516	516	517	528	530	524	519	516	0	21 13	539	15 14	488	51
25				517	516	516	515	514	512	510	509	518	525	526	520	504	493	499	509	525	533	529	529	528	526	526	526	518	0	18 05	539	13 40	486	53
26				526	522	519	518	518	518	515	512	519	523	523	505	492	485	481	493	523	529	542	540	550	561	543	528	520	1	21 35	570	14 53	472	98
27				527	519	518	516	519	519	519	519	522	525	523	519	511	499	489	495	505	516	523	525	526	527	529	528	517	0	23 20	533	14 46	485	48
28	✓			519	508	512	516	519	518	502	512	529	530	529	520	507	496	489	499	510	518	519	524	527	527	524	518	516	0	9 10	534	14 23	486	48
29	✓			517	516	512	512	514	516	516	510	521	527	526	516	503	490	491	499	512	524	522	521	520	519	519	517	514	0	9 54	533	13 46	489	44
30	✓	✓		513	513	510	509	512	515	516	516	528	534	534	522	501	476	470	482	502	516	520	520	521	520	520	520	512	0	10 10	537	14 14	467	70
31	✓			514	508	511	511	514	514	514	518	533	537	529	515	497	481	482	496	509	519	519	521	522	520	519	517	513	0	9 17	539	13 52	480	59
MEANS ALL DAYS				520	519	515	514	513	512	512	513	522	526	526	516	504	494	491	498	512	520	523	525	531	531	531	526	516						64
MEANS TEN DAYS *				520	519	517	516	516	517	515	515	525	530	529	520	507	495	491	498	510	518	519	520	522	522	521	519	516						46
MEANS FIVE DAYS † (G. M. T.)				516	516	516	516	516	516	515	514 515	523 522	530	530	521	509	496	491	498	510	518	520	520	520	519	521	519	516						
MEANS FIVE DAYS ‡ (G. M. T.)				529	533	517	515	510	503	507	510	514	519	522	513	502	495	495	499	513	524	529	537	560	562	564	549	522						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 169

VERTICAL INTENSITY

AUGUST 1939

50953 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1939

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MAXIMUM	MINIMUM (H M)	MINIMUM	RANGE
1				516	512	512	512	512	512	512	516	529	542	542	532	512	492	480	481	499	513	515	516	518	519	518	515	514	0	10 24	546	14 56	477	69
2	✓	✓		513	512	511	509	511	511	509	[illegible]	528	535	535	525	511	494	482	488	502	511	514	516	519	520	520	518	513	0	10 14	538	14 25	480	58
3	✓	✓		515	513	511	511	510	511	511	512	523	530	530	521	507	490	476	480	497	509	512	514	517	518	518	518	511	0	9 40	532	14 54	473	59
4	✓			517	514	511	511	511	509	508	512	523	528	525	512	492	480	480	491	505	511	514	518	521	524	524	523	511	0	9 20	529	13 50	477	52
5	✓	✓		518	514	512	513	511	510	508	510	516	521	522	518	506	493	487	483	496	507	510	511	513	513	515	513	509	0	10 14	523	15 17	482	41
6	✓	✓		511	509	506	506	505	504	501	504	514	525	526	516	502	489	481	481	497	508	509	509	512	510	513	512	506	0	9 47	529	15 09	478	51
7	✓	✓		510	509	506	506	504	504	504	505	511	514	514	510	497	487	481	485	491	501	508	509	511	514	514	512	504	0	8 53	516	14 25	480	36
8	✓			511	508	507	505	504	504	503	503	509	510	507	497	485	479	483	489	498	507	510	509	510	510	510	508	503	0	9 30	512	13 47	477	35
9	✓			507	507	507	507	507	506	502	504	515	520	516	503	488	484	481	487	496	509	512	512	512	513	513	512	505	0	9 43	522	14 26	478	44
10				511	509	509	508	506	505	502	506	517	519	515	506	492	488	481	486	498	507	514	523	518	519	518	519	507	1	19 20	528	14 12	481	47
11				519	525	519	514	514	506	503	508	514	518	517	510	500	488	485	492	502	509	511	513	512	512	512	512	509	1	1 14	530	14 20	483	47
12			✓	507	507	505	506	506	506	514	509	517	511	505	506	508	503	487	501	556	565	582	571	573	559	549	528	524	2	18 55	612	14 32	467	145
13			✓	524	523	521	519	514	494	508	535	536	532	534	527	518	505	495	501	507	522	532	529	534	532	533	518	521	1	10 14	548	5 47	478	70
14				507	521	519	516	517	521	523	529	529	529	525	515	501	504	499	498	511	524	528	532	532	529	525	523	519	0	19 58	537	14 55	491	46
15				521	519	518	520	521	521	521	525	533	535	529	521	507	492	481	485	502	517	519	522	524	524	523	519	517	0	9 06	536	14 58	473	63
16			✓	515	515	515	512	512	514	515	516	529	538	536	531	516	503	487	491	507	520	523	536	562	572	557	586	525	1	21 46	598	14 44	484	114
17				554	519	519	510	511	515	514	502	520	525	527	533	530	527	513	506	520	528	528	537	544	548	544	542	526	1	0 01	585	7 26	481	104
18	✓			537	526	523	520	520	520	520	525	533	539	538	529	517	511	505	500	505	519	524	527	530	533	534	533	524	0	9 27	542	15 40	499	43
19				529	526	523	521	519	518	514	514	526	532	529	524	516	509	497	495	503	515	520	522	524	526	536	543	520	0	24 00	551	14 35	487	64
20				544	523	518	518	516	515	514	519	529	531	529	529	518	497	485	487	499	512	513	514	519	522	522	525	517	0	0 02	552	15 07	479	73
21				525	524	522	518	515	513	511	512	519	529	539	539	528	509	502	499	506	514	521	522	522	530	526	522	519	1	10 56	543	15 28	498	45
22			✓	524	522	519	519	518	515	515	509	510	515	528	501	524	513	506	505	510	523	531	552	590	610	644	603	534	2	22 40	671	11 34	472	199
23			✓	581	562	572	547	547	513	507	470	469	484	520	518	508	519	532	541	554	568	581	569	559	555	559	555	537	2	18 17	611	8 03	454	157
24				549	542	535	539	531	532	537	542	540	537	539	529	516	509	502	513	527	533	542	539	540	554	545	541	534	0	21 55	571	14 18	501	70
25				536	533	532	531	531	532	531	534	544	547	543	529	500	482	484	500	521	537	541	544	542	543	541	536	529	0	9 54	550	13 53	476	74
26				534	533	533	531	528	530	527	529	544	547	540	531	516	496	486	493	517	534	534	537	542	538	537	535	528	0	20 47	549	14 43	483	66
27				535	534	529	527	528	528	528	531	542	548	545	538	519	502	493	496	511	527	531	530	534	539	544	541	528	0	22 01	552	14 48	488	64
28				533	530	527	527	524	523	530	534	541	544	538	527	511	496	487	496	517	531	530	532	533	536	537	535	526	0	9 10	546	14 28	486	60
29				533	528	526	525	523	522	524	529	541	543	542	528	502	484	476	487	510	525	528	528	532	533	531	528	522	0	9 20	544	14 20	473	71
30				526	525	524	522	521	521	523	528	535	536	529	515	497	479	473	490	510	522	523	525	538	540	544	538	520	0	22 26	546	14 27	470	76
31	✓			536	527	524	522	522	522	523	527	533	530	522	512	496	486	485	493	509	518	519	521	523	523	522	521	517	0	0 00	541	14 00	484	57
MEANS ALL DAYS				526	522	520	518	517	515	515	517	525	529	529	520	508	496	489	494	509	521	525	527	531	533	533	530	519						71
MEANS TEN DAYS ✲				518	514	512	511	510	510	509	512	520	525	524	514	500	489	484	488	500	510	513	515	517	518	518	517	510						48
MEANS FIVE DAYS † (G. M. T.)				513	511	508	508	507	506	505	509 507	518 516	525	525	518	505	491	481	483	497	507	511	512	514	515	516	515	508						
MEANS FIVE DAYS ‡ (G. M. T.)				543	533	533	526	524	515	518	516	512	516	525	517	515	509	501	508	527	540	550	551	564	566	568	558	531						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 170

VERTICAL INTENSITY

50953 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1939 — SEPTEMBER 1939

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1	✓	✓		520	517	516	516	516	516	518	530	540	540	530	521	501	490	487	488	504	514	516	518	522	523	525	528	516	0	8	39	543	15 26	485	58
2				526	520	515	515	515	514	515	525	536	538	529	513	494	473	467	478	497	509	515	517	520	522	524	524	513	1	9	35	540	14 10	465	75
3			✓	523	515	518	513	511	508	501	510	522	529	523	487	504	506	494	508	514	515	528	535	534	532	531	530	516	1	19	10	540	11 18	480	60
4				527	524	519	519	513	507	524	528	533	538	537	538	524	508	500	498	507	515	520	521	524	524	524	525	521	0	9	15	540	15 17	496	44
5	✓	✓		524	522	521	518	517	517	520	525	528	527	521	507	492	483	482	489	504	513	517	520	521	522	523	523	514	0	8	58	529	14 05	479	50
6				521	520	518	515	514	514	519	521	538	544	535	516	499	486	481	486	499	512	516	518	521	523	525	523	515	0	9	44	547	14 41	479	68
7				520	519	518	516	513	514	520	527	540	558	537	513	482	504	469	482	498	516	520	521	526	527	524	523	516	0	9	07	562	14 00	463	99
8	✓			524	522	521	521	517	516	516	521	531	531	526	511	486	484	485	497	511	517	519	518	518	518	520	522	515	0	8	36	534	13 21	481	53
9			✓	523	522	520	516	514	515	520	527	528	527	519	500	482	483	499	523	522	537	552	549	554	555	541	522	523	1	21	21	567	12 28	475	92
10				519	516	513	517	511	516	525	530	532	533	527	516	507	506	506	513	517	520	523	523	526	539	537	538	521	1	22	07	548	4 00	501	47
11				524	519	519	515	514	523	527	532	533	531	523	508	489	482	489	499	508	516	520	521	526	523	521	520	516	0	9	59	538	14 17	478	60
12				520	519	519	519	521	523	526	534	541	534	522	504	485	474	476	494	515	517	524	527	525	524	523	520	516	1	8	54	546	13 35	472	74
13	✓			519	519	516	514	518	513	518	531	539	541	528	504	480	476	480	493	507	517	518	524	525	523	521	518	514	0	9	16	543	13 00	473	70
14				517	515	514	515	517	518	515	519	539	542	528	497	477	470	467	476	509	520	524	528	540	547	540	539	516	0	9	04	552	14 35	458	94
15	✓			526	514	512	512	513	515	520	536	547	551	532	499	479	474	475	482	499	510	517	520	523	523	522	521	513	0	9	32	553	13 45	472	81
16	✓			517	514	513	513	512	513	514	521	541	536	524	505	484	474	473	478	495	508	516	521	527	532	529	523	512	0	8	38	543	13 25	471	72
17			✓	518	515	508	509	510	513	519	528	538	534	520	499	483	480	484	481	498	513	526	532	548	569	555	562	518	1	21	50	576	15 15	476	100
18				565	575	546	504	493	482	514	524	526	523	516	507	501	500	502	504	513	521	525	525	529	535	539	537	521	0	1	10	582	5 20	473	109
19			✓	531	529	526	525	525	523	526	533	541	542	530	512	494	493	491	504	514	532	554	563	568	574	564	565	532	1	23	20	585	13 58	485	100
20			✓	557	541	538	521	525	525	539	535	524	523	519	511	497	491	496	515	519	553	539	544	546	551	541	539	529	1	17	38	569	13 33	483	86
21				540	531	515	516	522	526	531	533	537	538	538	527	509	498	496	499	510	520	528	528	533	531	529	527	523	0	0	53	545	13 15	493	52
22				529	523	521	525	520	526	531	541	544	540	527	504	485	477	479	496	520	527	529	537	530	532	534	537	521	0	8	14	552	13 36	475	77
23	✓			532	528	527	524	529	528	530	541	547	536	522	503	484	473	483	497	517	528	529	529	529	529	529	528	521	0	8	04	549	13 35	470	79
24	✓	✓		527	526	525	526	529	523	528	535	544	543	529	502	478	472	481	502	521	529	531	534	533	532	533	532	521	0	8	40	546	13 14	470	76
25				531	526	525	525	522	526	532	541	544	543	526	493	472	467	474	493	506	516	527	529	533	565	564	565	523	0	8	08	545	13 04	466	79
26				538	533	524	525	523	523	533	540	549	547	528	496	479	479	484	503	522	501	532	532	536	537	539	533	522	1	8	16	575	12 32	473	102
27				526	525	519	520	527	529	533	536	541	536	523	498	487	484	484	495	508	521	526	528	528	529	528	528	519	0	8	07	544	14 42	483	61
28	✓	✓		526	526	522	523	521	521	530	538	548	547	535	504	484	474	476	491	507	519	524	525	529	529	529	529	519	0	8	13	550	14 45	473	77
29	✓	✓		524	520	520	519	519	518	528	536	547	541	523	498	479	474	478	487	500	515	520	523	526	526	525	523	515	0	8	26	550	13 12	473	77
30				523	522	520	518	519	520	527	537	544	538	523	501	481	474	480	494	511	523	528	533	539	540	543	538	520	0	8	30	546	13 33	473	73
31																																		
MEANS ALL DAYS				527	524	520	518	517	517	523	530	538	538	527	506	489	484	484	495	509	519	525	528	531	535	533	531	519							75
MEANS TEN DAYS ✱				524	521	519	519	519	518	522	531	541	539	527	505	485	477	480	490	506	517	521	523	525	526	526	525	516							69
MEANS FIVE DAYS † (G. M. T.)				525	522	520	518	518	518	524	533 532	541 542	540	528	506	487	479	481	491	507	518	522	524	526	526	527	527	517							
MEANS FIVE DAYS ‡ (G. M. T.)				542	537	526	515	513	511	527	530	531	531	522	502	492	491	493	506	513	530	540	545	550	556	546	544	525							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 171

VERTICAL INTENSITY

OCTOBER 1939

50952 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1939

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				530	526	524	519	519	514	516	519	529	535	521	500	487	483	490	497	510	516	522	525	527	529	530	529	517	0	9	14	538	13 16	484	54
2	✓			526	524	520	519	519	518	525	539	546	540	519	495	482	475	481	493	506	516	520	521	525	527	528	527	516	0	8	50	547	13 13	474	73
3			✓	527	523	520	518	518	519	524	532	542	542	524	489	473	471	473	493	520	545	561	560	572	581	579	548	527	1	22	10	594	12 23	470	124
4			✓	545	550	558	563	558	548	558	520	505	522	515	496	507	517	524	534	547	548	545	545	559	557	553	542	538	1	20	52	603	11 38	485	118
5				539	536	523	530	535	535	541	549	545	536	519	497	480	480	492	501	517	537	559	545	547	552	552	543	529	1	21	02	566	13 00	473	93
6				539	539	535	511	528	537	547	557	549	539	531	519	505	511	539	535	542	555	552	559	561	556	552	550	540	1	19	45	566	12 20	501	65
7				541	534	533	533	519	539	548	551	551	541	524	503	495	490	490	499	516	527	529	528	531	536	541	544	527	0	6	52	559	14 10	487	72
8				554	548	544	530	522	534	535	540	542	531	515	503	493	490	496	508	523	532	534	532	532	532	532	531	526	0	0	51	559	13 59	490	69
9				531	528	527	530	527	520	535	544	551	539	528	517	508	503	509	535	551	538	539	539	553	584	558	544	535	1	21	12	606	13 54	500	106
10	✓			540	531	528	515	531	539	544	549	548	533	507	480	473	481	494	512	528	533	533	535	535	535	533	532	524	0	7	48	550	12 25	471	79
11				530	529	529	531	532	534	539	549	553	546	529	501	481	483	492	512	528	531	532	535	534	535	536	533	526	0	8	07	558	12 16	480	78
12	✓	✓		529	531	527	525	529	529	530	543	554	540	520	501	482	479	486	503	521	530	532	534	535	533	531	531	523	0	8	22	557	13 20	478	79
13			✓	529	528	527	525	526	531	541	553	557	543	512	471	449	445	457	501	525	556	555	555	549	547	543	546	524	2	17	38	567	13 01	436	131
14			✓	537	518	519	510	481	534	519	478	540	529	515	510	499	506	520	526	560	581	582	575	610	567	537	539	533	2	20	20	670	4 17	440	230
15			✓	544	516	531	542	529	543	553	561	565	546	538	536	504	473	514	527	544	553	558	556	551	551	555	540	539	1	8	37	576	13 32	444	132
16				544	535	537	535	530	537	543	548	558	541	521	502	491	486	497	510	542	554	562	562	564	554	564	543	536	1	20	59	577	13 15	484	93
17				556	535	544	536	528	535	541	543	544	537	522	504	491	486	501	514	532	543	559	566	549	545	550	548	534	1	23	24	570	12 57	481	89
18				545	550	518	532	531	528	537	548	554	555	538	518	494	487	495	510	530	542	557	556	565	569	569	553	537	1	23	55	576	13 22	485	91
19				560	555	555	530	532	532	537	544	543	542	527	510	500	504	502	513	529	556	572	558	558	559	563	559	539	0	18	35	576	12 46	498	78
20	✓	✓		559	550	536	522	537	542	543	543	547	550	543	529	507	492	489	502	524	540	543	545	543	543	544	544	534	0	0	24	570	13 44	487	83
21				544	541	541	539	539	541	546	551	553	549	534	509	486	466	466	480	515	528	541	539	541	559	557	542	529	0	21	30	564	14 34	461	103
22				538	538	535	531	535	542	548	550	559	556	541	515	492	490	495	514	529	537	543	541	540	538	537	537	533	0	8	07	561	13 33	489	72
23				537	536	535	530	524	538	554	561	559	544	509	484	468	468	485	506	532	547	563	561	569	566	558	558	533	1	21	07	594	13 20	465	129
24	✓			541	539	536	534	538	548	555	566	559	553	529	505	489	485	488	500	515	528	537	535	535	535	533	533	530	0	7	19	572	14 15	484	88
25	✓	✓		532	532	530	532	537	543	554	560	558	548	526	499	476	467	476	495	516	530	537	538	541	540	537	531	526	0	7	18	561	13 36	466	95
26	✓			529	529	528	528	533	539	547	554	549	536	506	475	456	459	472	493	520	535	535	533	534	537	537	535	521	0	7	40	555	12 33	455	100
27	✓	✓		536	531	527	526	522	535	550	560	557	547	527	499	484	478	482	494	514	527	529	531	531	533	533	531	524	0	7	34	564	13 25	478	86
28				529	528	529	529	530	538	546	555	554	545	510	478	461	466	483	507	520	531	536	546	556	544	536	534	525	0	7	47	557	12 55	459	98
29				534	533	530	529	534	540	552	554	553	547	522	486	476	477	484	505	525	536	536	540	541	541	543	537	527	0	6	56	559	12 27	474	85
30	✓			534	533	530	530	528	531	541	551	555	543	518	497	479	475	478	495	517	528	531	534	542	544	552	546	526	0	7	56	563	14 00	474	89
31	✓	✓		537	533	531	525	529	538	546	551	553	529	512	491	472	467	479	503	522	532	536	537	543	544	544	540	525	0	8	13	557	13 10	467	90
MEANS ALL DAYS				539	534	532	529	528	535	542	546	549	541	523	501	485	482	491	507	526	538	544	544	548	548	546	540	529							96
MEANS TEN DAYS ✻				536	533	529	526	530	536	544	552	553	542	521	497	480	476	482	499	518	530	533	534	536	537	537	535	525							86
MEANS FIVE DAYS (G. M. T.) †				534	532	532	531	533	538	545	551 553	554 552	543	526	504	484	477	482	499	519	532	535	537	539	539	538	535	527							
MEANS FIVE DAYS (G. M. T.) ‡				542	531	534	536	527	539	543	531	542	536	521	500	486	482	498	516	539	557	560	558	568	561	553	543	533							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 172

VERTICAL INTENSITY

NOVEMBER 1939

50952 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1939

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				539	536	533	533	536	539	546	550	546	529	502	485	482	481	492	512	530	536	535	540	543	541	540	539	527	0	7	40	550	13 10	479	71
2				542	539	534	533	533	534	538	546	550	537	516	490	480	488	502	526	540	544	541	537	537	539	540	537	529	0	8	41	552	12 26	478	74
3				536	533	531	530	530	534	539	545	549	547	537	521	502	491	495	508	526	540	538	540	545	538	538	537	530	0	8	10	551	13 53	488	63
4	✓			540	533	532	530	530	537	542	546	548	549	536	518	499	488	494	512	523	528	533	533	532	532	535	534	528	0	9	28	553	13 45	487	66
5				535	532	530	529	531	533	537	548	553	555	542	521	503	490	497	511	527	536	545	541	533	535	536	536	531	0	9	14	557	13 38	488	69
6				531	527	527	524	530	535	542	552	552	542	521	489	482	488	499	512	528	534	532	532	530	530	530	530	525	0	8	15	556	12 16	481	75
7				530	528	528	527	525	530	540	540	535	530	516	504	501	502	505	516	525	529	530	531	530	529	528	530	525	0	8	06	543	13 27	499	44
8	✓	✓		535	534	528	527	527	534	539	541	541	527	513	497	491	491	494	510	525	534	534	530	531	537	527	527	524	0	8	00	544	14 03	489	55
9	✓			525	524	523	523	529	533	537	539	538	529	517	498	488	488	499	515	527	537	534	532	532	531	529	530	523	0	7	07	541	12 52	485	56
10	✓	✓		530	526	524	526	529	532	534	539	542	534	520	508	496	503	513	522	531	536	535	532	531	531	530	530	526	0	8	05	544	12 44	495	49
11				529	529	527	526	528	531	537	539	538	529	510	488	481	481	489	505	520	530	536	533	535	536	534	533	522	0	8	00	541	12 54	480	61
12			✓	528	527	522	520	527	533	541	547	551	536	517	489	475	474	486	504	517	525	537	550	548	548	548	547	525	0	8	20	558	13 02	472	86
13			✓	538	531	528	528	531	535	538	547	549	537	518	489	488	488	497	514	538	552	583	601	583	586	567	549	538	1	19	25	607	12 17	476	131
14			✓	539	540	539	529	527	532	553	561	562	558	535	520	502	502	508	520	533	541	553	549	545	550	545	542	537	0	8	48	566	12 45	499	67
15				540	535	533	533	530	531	531	540	553	545	534	519	509	506	506	520	533	541	542	540	545	550	548	540	534	0	21	09	556	14 12	504	52
16	✓			540	537	533	528	530	538	546	554	552	543	525	504	488	483	493	511	527	537	538	538	542	541	540	541	530	0	7	46	556	13 30	482	74
17	✓			536	530	531	531	532	536	545	551	557	552	540	519	502	487	484	495	512	526	533	536	536	538	536	535	528	0	9	04	559	14 14	484	75
18	✓	✓		535	534	534	529	529	536	544	547	541	529	516	498	491	490	498	509	519	531	533	531	531	533	533	533	525	0	7	23	549	13 28	487	62
19				532	532	530	530	531	537	548	551	542	524	513	498	496	499	503	516	525	530	532	528	529	535	544	548	527	0	23	12	558	11 45	494	64
20				533	526	525	532	537	541	544	546	535	520	500	496	507	507	523	535	545	547	540	536	535	534	535	535	530	0	7	43	552	11 42	495	57
21				536	535	532	533	532	540	544	553	559	553	526	507	494	493	506	526	539	543	539	538	536	536	533	531	532	0	8	25	560	13 35	491	69
22	✓	✓		531	531	532	532	533	539	544	549	545	529	506	488	481	481	492	511	529	537	538	534	531	531	531	530	524	0	7	38	551	12 57	478	73
23	✓	✓		530	531	529	530	531	541	548	552	545	524	503	484	476	476	489	508	526	534	532	531	531	531	532	531	523	0	7	26	554	13 12	474	80
24				530	528	528	530	531	539	549	551	540	523	509	493	483	486	497	509	522	530	532	527	530	530	533	530	523	0	7	05	555	12 38	481	74
25			✓	529	529	526	530	537	541	541	549	540	519	509	501	491	497	509	527	539	551	554	554	556	551	541	542	532	1	20	21	558	12 56	490	68
26			✓	538	535	534	537	546	542	552	545	538	522	508	494	492	489	507	518	539	552	555	555	542	543	544	538	532	0	19	00	565	13 16	484	81
27				538	533	533	535	527	546	556	556	550	539	526	511	498	498	503	520	536	543	545	546	543	539	538	537	533	0	6	45	560	13 04	496	64
28				536	532	532	532	537	545	553	557	547	531	512	498	495	499	509	521	533	542	548	551	546	552	544	540	533	0	7	15	560	12 13	495	65
29	✓			536	533	533	533	536	542	550	558	555	542	516	494	486	487	494	506	528	544	548	547	550	554	553	545	532	0	7	22	561	13 06	484	77
30				539	533	531	533	533	537	547	555	554	537	516	499	494	495	503	515	529	539	540	540	540	543	543	539	531	0	8	00	561	12 42	494	67
31																																			
MEANS ALL DAYS				535	532	530	530	531	537	543	548	547	536	519	501	492	491	500	514	529	538	540	540	539	540	538	537	529							69
MEANS TEN DAYS *				534	531	530	529	531	537	543	548	546	536	519	501	490	487	495	510	525	534	536	534	535	536	535	534	526							67
MEANS FIVE DAYS † (G. M. T.)				529	529	527	528	530	536	544	546 546	543 541	529	512	495	487	488	497	512	526	534	534	532	531	533	531	530	524							
MEANS FIVE DAYS ‡ (G. M. T.)				539	535	533	532	532	537	546	550	548	534	517	499	490	490	501	517	533	544	556	562	555	556	549	544	533							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 173

VERTICAL INTENSITY

DECEMBER 1939 — DECEMBER 1939

50952 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				536	534	535	535	537	538	545	546	548	531	510	500	500	498	499	504	519	533	541	545	538	535	536	535	528	0	8	39	555	13	04	495	60
2				536	535	528	524	530	537	542	543	540	533	518	507	506	509	509	516	524	532	535	534	537	540	540	540	529	0	7	24	547	11	55	504	43
3				537	531	532	528	533	533	547	552	557	550	537	514	502	495	497	501	512	523	530	528	528	531	532	534	528	0	8	20	558	13	50	492	66
4	✓			534	533	531	527	532	534	530	551	554	540	528	523	520	522	521	521	525	532	534	532	531	532	534	533	531	0	8	22	560	12	18	518	42
5				534	534	532	532	532	539	543	544	542	534	520	513	508	508	510	518	524	533	534	536	536	549	553	549	532	0	22	09	556	13	25	506	50
6			✓	554	547	538	528	537	538	535	536	539	533	517	511	507	510	513	521	534	540	538	536	533	534	536	536	531	1	0	32	560	12	20	506	54
7			✓	535	532	531	535	512	529	510	528	529	519	510	507	497	493	510	524	537	536	545	548	553	553	557	556	529	1	22	25	588	12	56	486	102
8			✓	553	560	546	543	539	546	549	547	534	526	516	504	495	490	501	518	543	546	549	553	558	554	545	533	535	1	1	31	566	13	31	485	81
9				536	541	535	530	534	545	547	546	538	523	509	500	488	500	510	527	548	555	558	553	552	557	548	542	534	1	21	23	563	12	35	486	77
10				531	539	522	535	542	549	557	556	540	518	503	492	490	495	511	531	549	554	557	546	551	549	542	536	533	0	7	04	561	13	03	488	73
11				535	535	535	535	535	544	555	560	550	529	510	498	492	499	507	522	544	552	552	547	546	546	544	539	534	0	7	27	563	12	27	491	72
12				538	537	530	537	538	551	559	564	560	553	529	508	488	483	492	508	521	534	542	539	539	540	539	545	532	0	7	13	567	12	57	480	87
13	✓			539	538	533	532	536	544	544	560	557	543	522	504	498	495	502	518	530	540	545	543	542	547	547	543	533	0	7	27	564	13	08	493	71
14	✓	✓		537	536	534	533	535	540	551	560	560	552	536	515	500	492	496	507	521	532	539	540	540	540	539	539	532	0	7	26	562	13	40	491	71
15				536	535	533	531	531	536	545	553	554	549	535	520	507	499	499	507	515	531	538	538	538	543	547	557	532	0	23	44	563	13	20	497	66
16				546	534	532	527	529	538	544	546	540	535	526	520	509	505	505	511	524	539	544	537	536	536	540	540	531	0	0	00	554	14	00	503	51
17	✓			540	540	535	537	539	545	555	545	559	555	541	534	523	515	518	527	539	547	545	542	543	544	544	543	540	0	8	00	576	13	40	514	62
18	✓	✓		542	538	538	538	538	540	545	547	543	536	531	517	507	510	520	531	541	545	547	545	541	541	540	541	536	0	18	00	548	13	00	506	42
19	✓	✓		540	538	538	538	539	542	548	558	559	538	508	499	493	496	508	522	534	540	541	537	535	536	537	536	532	0	8	05	563	12	50	492	71
20	✓	✓		537	536	536	536	538	543	550	557	555	536	510	502	491	484	500	521	534	538	537	534	531	531	534	533	529	0	8	00	558	13	10	482	76
21			✓	535	535	535	535	535	542	544	546	543	529	506	496	492	487	500	525	537	553	558	546	543	553	568	560	533	1	22	20	571	13	36	484	87
22			✓	549	544	548	548	548	555	557	562	532	515	503	499	498	506	514	525	548	548	551	554	553	572	570	554	540	1	21	48	585	12	40	496	89
23				551	544	543	546	547	549	559	561	541	520	496	483	483	493	513	529	541	552	560	552	545	544	542	541	535	0	7	10	566	11	45	480	86
24				540	538	539	545	550	553	555	562	558	522	496	486	495	501	524	541	551	562	558	548	548	547	550	546	538	0	7	36	566	11	08	485	81
25				540	534	535	539	545	555	566	568	558	536	500	477	486	501	517	536	545	547	546	544	543	545	549	539	535	0	7	14	570	11	37	476	94
26	✓			539	540	538	539	545	548	552	552	541	518	481	448	432	449	474	510	532	543	547	549	550	550	548	543	524	0	6	57	558	12	03	431	127
27				541	538	538	539	544	552	562	563	553	532	497	460	438	459	483	509	528	548	550	548	547	549	550	554	528	1	7	03	566	12	40	435	131
28				542	539	529	522	538	550	557	560	555	547	525	507	500	508	520	531	540	547	549	551	557	554	546	540	538	1	7	24	565	12	10	496	69
29				539	537	537	540	544	542	551	558	563	562	542	501	476	486	517	536	546	548	549	548	551	554	545	546	538	0	9	34	567	12	29	472	95
30	✓			542	543	536	535	539	546	553	560	564	563	547	531	516	516	519	526	535	538	541	548	549	549	548	545	541	0	8	55	571	12	30	514	57
31	✓	✓		544	542	541	539	541	545	547	551	554	555	548	500	530	532	534	536	537	539	541	543	545	546	546	545	542	0	8	58	556	12	12	529	27
MEANS ALL DAYS				540	538	535	535	537	543	548	553	549	537	518	504	496	498	508	521	534	542	545	543	543	545	545	543	533								73
MEANS TEN DAYS ✱				539	538	536	535	538	543	548	554	555	544	525	511	501	501	509	522	533	539	542	541	541	542	542	540	534								65
MEANS FIVE DAYS † (G. M. T.)				539	538	537	536	537	542	547	555 553	554 554	543	527	514	504	503	512	523	533	539	541	540	538	539	539	539	534								
MEANS FIVE DAYS ‡ (G. M. T.)				545	544	541	540	536	545	544	549	535	524	510	503	498	497	508	523	540	545	548	547	548	553	555	548	534								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
☐ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 174

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1940 — JANUARY 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				172	173	173	175	181	191	202	205	212	234	235	204	178	163	154	158	160	162	170	170	172	179	174	181	182	0	10	15	247	14	40	150	97
2				180	170	175	170	180	191	201	202	194	201	189	191	186	172	163	147	140	150	155	159	170	185	186	181	177	0	7	55	211	16	25	134	77
3			✓	181	186	191	192	197	197	199	181	195	210	212	199	181	170	150	140	129	140	152	171	181	191	200	270	184	2	23	24	311	16	30	122	189
4				284	275	278	276	253	256	256	251	243	243	222	198	191	191	189	188	188	172	168	194	194	201	192	200	221	1	0	47	331	18	20	164	167
5				199	200	198	203	202	215	232	232	232	231	212	181	168	167	170	170	171	160	155	160	167	171	171	179	189	0	6	19	253	18	33	150	103
6				181	182	191	193	200	198	212	202	208	212	202	191	182	181	175	174	164	154	150	170	178	184	187	203	186	1	23	59	222	18	33	146	76
7				206	203	166	185	204	215	220	224	226	214	191	171	150	138	140	152	159	152	152	167	176	185	191	184	182	1	8	08	232	14	02	128	104
8				184	181	166	181	194	191	191	216	209	203	190	161	145	150	160	163	168	162	162	168	171	175	191	198	178	0	7	26	230	12	30	140	90
9				189	188	186	181	189	198	211	220	228	221	193	177	158	151	160	169	165	165	168	177	184	185	176	186	184	1	8	48	236	13	20	150	86
10			✓	186	185	193	161	197	203	221	228	232	229	208	169	152	150	144	150	155	160	169	162	160	214	243	258	189	1	22	47	342	3	10	121	221
11			✓	243	247	243	211	181	208	222	232	231	228	204	180	150	141	141	140	142	161	160	160	170	174	184	189	189	1	0	58	277	15	42	133	144
12				190	196	194	188	190	231	221	231	233	229	211	188	160	148	139	140	140	150	160	172	201	180	191	211	187	1	6	01	262	14	09	119	143
13	✓			191	201	169	174	170	170	191	211	211	204	181	159	150	143	140	150	157	160	168	170	170	173	181	181	174	0	8	27	226	14	18	138	88
14	✓	✓		181	181	180	178	181	188	199	211	228	237	231	212	175	144	126	129	141	162	174	171	171	172	179	182	181	0	9	50	240	14	35	119	121
15	✓			181	179	175	171	171	187	198	195	203	208	207	200	182	170	158	158	153	153	161	170	175	175	180	191	179	0	9	10	211	16	30	150	61
16				181	180	181	183	185	196	212	222	239	246	246	216	181	147	125	125	139	149	145	158	167	191	193	180	183	0	10	30	261	14	45	120	141
17				183	174	177	188	195	201	204	221	214	222	214	202	179	140	140	128	120	128	132	159	163	183	221	194	178	1	22	10	243	15	25	116	127
18			✓	207	232	222	212	211	212	233	233	243	244	232	212	189	163	146	141	159	160	155	157	161	181	179	228	196	1	7	07	256	15	04	136	120
19				281	252	318	280	254	243	248	250	241	229	210	185	171	161	152	144	140	140	148	157	171	170	171	181	204	1	2	08	368	17	30	135	233
20	✓			182	182	181	195	202	212	222	233	233	228	207	181	163	161	161	161	159	161	161	163	169	171	179	181	185	0	8	44	243	16	40	155	88
21	✓	✓		178	171	171	171	192	206	227	243	241	220	191	171	161	158	151	141	138	146	161	167	165	171	175	181	179	0	7	40	253	17	00	135	118
22				181	182	181	181	189	200	213	230	226	209	171	141	141	151	153	151	151	151	152	160	157	161	171	177	174	0	8	10	233	11	50	133	100
23	✓			172	179	181	203	194	203	238	259	253	229	200	172	161	151	142	149	155	161	161	151	161	171	171	173	183	0	7	52	264	1	53	129	135
24				177	182	182	183	182	204	228	244	231	203	183	163	145	154	160	162	162	162	169	182	182	182	182	199	183	0	7	59	245	12	03	138	107
25				197	192	182	182	190	204	233	247	249	234	224	187	173	151	141	151	164	167	171	172	172	203	188	180	190	0	9	07	255	14	20	139	116
26	✓	✓		181	180	179	182	182	189	204	229	234	226	203	174	143	124	120	132	151	158	161	161	166	171	172	173	175	0	8	07	242	14	00	119	123
27	✓	✓		176	180	179	174	178	182	203	221	235	229	214	197	177	148	131	135	156	167	171	171	172	172	173	183	180	0	8	52	247	14	20	123	124
28	✓	✓		183	179	179	179	183	188	197	213	220	214	187	141	115	95	102	120	150	164	172	171	165	166	170	171	168	0	8	40	225	13	38	93	132
29	✓			172	173	174	176	182	187	199	220	244	245	227	197	165	141	112	103	120	145	167	167	171	186	193	202	178	0	9	10	254	15	15	101	153
30				214	211	197	191	189	194	197	210	232	238	224	189	163	145	119	110	121	152	162	151	171	172	175	193	180	1	9	50	255	15	03	101	154
31			✓	176	182	191	194	190	206	218	217	236	236	225	204	178	128	112	100	111	120	132	140	168	204	194	184	177	1	8	34	266	15	23	90	176
MEANS ALL DAYS				193	193	192	191	193	202	215	224	228	224	208	184	165	152	144	145	149	155	159	165	172	181	185	193	184								126
MEANS TEN DAYS ✲				180	180	177	180	184	191	208	224	230	224	205	180	159	144	134	138	148	158	166	166	168	173	177	182	178								114
MEANS FIVE DAYS † (G. M. T.)				179	179	178	176	181	189	202	223 216	232 226	225	205	179	154	134	126	131	147	159	168	168	168	170	174	178	176								
MEANS FIVE DAYS ‡ (G. M. T.)				245	232	246	230	207	226	230	233	227	229	216	193	170	150	139	134	139	148	154	158	168	193	200	226	196								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
☐ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 175

DECLINATION

FEBRUARY 1940

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	225	188	198	194	159	192	204	201	180	194	215	191	181	162	151	141	140	152	152	166	165	173	184	184	179	1	0 53	236	20 25	111	125
2			✓	193	163	188	195	198	204	194	211	207	212	216	217	205	197	173	161	152	147	160	166	171	178	183	188	187	0	11 00	226	1 13	126	100
3			✓	183	183	173	184	194	203	214	229	233	233	217	201	178	149	137	141	141	142	152	155	172	184	189	193	182	1	8 04	244	14 30	132	112
4	✓			185	165	192	188	192	190	193	207	220	213	200	182	170	163	151	149	150	153	164	172	170	171	174	182	179	0	8 10	224	16 04	150	74
5	✓			185	191	192	189	182	192	209	224	233	233	225	211	190	172	162	162	166	170	177	182	164	170	193	190	190	0	9 14	243	0 00	154	89
6				176	180	182	181	188	192	211	223	224	232	212	173	144	129	119	117	123	144	156	153	154	165	172	180	172	1	9 04	233	15 07	113	120
7				184	182	186	192	154	182	202	215	232	214	196	152	135	132	132	138	153	162	175	180	182	200	202	201	178	0	8 29	253	14 27	128	125
8				201	192	185	182	172	182	202	223	243	238	219	187	160	146	143	141	149	160	182	164	166	168	172	193	182	0	8 54	247	15 46	140	107
9				182	180	180	171	160	187	192	207	214	215	203	186	162	147	147	152	161	162	165	166	172	173	174	182	177	0	8 04	230	13 07	142	88
10	✓			181	178	179	178	180	182	191	214	232	247	244	212	175	153	143	133	141	152	167	168	168	168	172	172	180	0	9 21	253	15 25	131	122
11				174	180	181	181	176	180	192	215	246	243	223	184	151	131	123	128	139	153	162	164	162	172	178	178	176	0	9 33	253	14 38	121	132
12			✓	177	178	164	172	191	187	192	206	220	224	221	192	161	142	126	131	143	160	170	180	167	177	196	202	178	1	9 53	228	14 28	123	105
13				194	191	182	187	185	192	203	223	223	230	213	193	171	145	124	119	121	131	150	153	157	172	172	171	175	0	8 00	236	15 44	114	122
14	✓	✓		172	178	185	193	174	188	204	220	235	253	253	227	184	150	129	122	129	142	159	159	168	173	173	173	181	0	10 07	260	15 44	119	141
15	✓			174	176	174	177	179	184	193	207	234	246	246	225	196	167	141	123	130	143	151	153	174	188	184	178	181	0	10 00	254	15 23	121	133
16				175	179	178	181	183	183	185	205	235	235	237	225	190	154	132	121	126	143	161	163	161	163	169	174	177	0	8 55	246	15 30	114	132
17	✓	✓		196	189	182	174	165	174	184	210	235	256	246	223	176	133	115	112	132	144	153	163	165	165	168	174	176	0	10 03	258	15 10	111	147
18	✓	✓		181	184	182	181	181	184	186	198	214	225	222	211	184	162	139	122	127	134	149	156	163	163	165	173	174	0	9 54	226	15 46	121	105
19	✓	✓		173	175	181	184	184	184	185	202	220	237	246	234	203	163	134	126	123	135	145	153	156	163	170	174	177	0	10 30	247	16 25	122	125
20				174	175	180	182	182	184	192	210	242	256	246	205	194	181	161	153	153	149	153	155	163	171	185	186	185	1	9 28	297	17 05	146	151
21				194	193	186	174	184	192	194	207	205	205	197	164	145	143	133	138	153	166	181	193	201	192	196	194	180	1	7 55	235	14 12	131	104
22				215	194	184	176	175	175	187	209	215	223	195	184	161	143	133	137	153	158	163	174	174	175	183	185	178	0	0 17	234	14 48	132	102
23				184	186	184	174	163	176	174	174	187	197	206	202	178	159	153	153	159	168	177	174	168	166	174	174	175	0	10 04	213	14 45	152	61
24				173	173	173	176	179	158	143	174	193	202	215	201	169	143	131	134	152	166	163	173	174	175	184	191	171	0	10 17	219	14 35	127	92
25			✓	194	194	174	164	163	163	155	161	178	189	198	195	173	142	107	106	112	122	145	163	173	193	214	219	167	1	22 10	226	14 44	84	142
26				214	213	184	182	186	194	210	219	221	226	221	206	174	147	132	121	124	145	159	163	163	166	174	174	180	0	2 03	275	15 33	116	159
27	✓	✓		174	172	165	161	163	175	191	210	229	246	247	226	195	169	149	138	141	151	162	163	163	177	174	173	180	0	10 05	250	15 23	132	118
28	✓			172	174	177	181	182	184	195	215	233	250	256	240	205	167	141	125	125	135	150	154	161	163	171	174	180	0	10 28	257	16 20	121	136
29				176	184	183	181	184	191	190	208	225	235	232	215	194	161	151	141	132	141	146	153	153	153	163	166	177	0	9 35	238	16 14	122	116
30																																		
31																																		
MEANS ALL DAYS				186	182	181	180	178	185	192	208	221	228	223	202	176	154	138	134	140	149	160	165	167	173	180	183	179						117
MEANS TEN DAYS *				179	178	181	181	178	184	193	211	228	241	238	219	188	160	140	131	136	146	158	162	165	170	174	176	180						119
MEANS FIVE DAYS † (G. M. T.)				175	177	179	181	182	184	190	208 206	227 229	243	243	224	188	155	133	124	130	141	154	159	163	168	170	173	178						
MEANS FIVE DAYS ‡ (G. M. T.)				194	183	184	187	191	197	203	218	204	210	213	199	180	158	139	136	138	145	156	166	170	181	193	197	181						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 176

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1940 — MARCH 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				176	183	183	182	176	183	185	199	211	221	224	215	204	177	152	142	137	140	151	160	162	170	173	173	178	0	9	55	230	16 07	133	97
2	✓			173	173	173	175	177	180	182	192	204	217	224	216	197	174	153	142	139	147	156	160	162	163	170	173	176	0	10	06	225	16 26	135	90
3				177	174	179	179	182	180	187	204	217	229	223	197	166	142	133	137	133	142	153	162	163	165	170	183	174	0	9	50	233	14 27	132	101
4	✓			173	173	173	175	177	164	183	206	234	249	244	214	177	149	134	126	124	136	152	156	163	165	172	172	175	0	10	00	254	15 50	121	133
5	✓			172	172	174	177	179	183	186	193	216	224	204	173	160	150	145	144	142	144	152	162	162	171	167	172	172	0	9	15	225	17 25	141	84
6	✓	✓		173	173	173	174	178	180	183	193	198	191	181	170	162	152	142	142	143	151	152	156	160	162	164	169	168	0	8	20	200	16 05	141	59
7	✓	✓		168	171	172	172	174	174	181	195	213	224	221	203	174	152	138	134	141	156	163	162	162	172	166	169	173	0	9	59	231	15 05	132	99
8				169	170	170	167	166	172	180	184	217	214	203	182	150	134	141	145	158	171	167	162	172	162	163	162	170	0	8	35	234	13 27	131	103
9				162	169	165	167	183	182	172	154	162	172	190	169	156	141	141	144	154	164	183	175	173	180	188	183	168	1	18	42	206	14 16	134	72
10	✓			180	182	172	172	166	172	182	194	207	203	201	193	179	172	172	170	162	160	162	164	160	160	162	162	175	0	8	11	212	20 20	157	55
11	✓	✓		166	168	171	172	171	178	182	187	194	203	204	207	200	187	162	152	150	153	161	163	163	163	170	173	175	0	9	31	214	16 30	149	65
12				182	174	174	178	180	181	183	193	196	208	214	205	185	162	142	140	134	143	152	153	160	162	164	164	172	1	10	26	219	16 15	132	87
13				193	214	204	224	224	197	172	191	206	216	200	193	181	152	132	132	133	142	152	162	162	163	167	177	179	0	3	21	239	14 24	122	117
14				177	173	175	180	182	182	172	172	186	192	197	193	182	167	143	130	130	143	144	152	160	162	170	172	168	0	10	45	200	16 10	125	75
15	✓	✓		182	185	180	182	174	182	185	200	213	223	223	214	200	173	152	141	142	151	161	162	162	163	166	167	178	0	9	33	224	15 36	140	84
16				171	171	171	172	175	180	181	191	209	222	224	212	191	162	136	123	128	140	156	160	161	161	162	162	172	0	10	25	229	15 24	120	109
17	✓			171	181	171	193	197	183	173	186	190	206	211	202	181	162	143	133	139	143	151	161	162	163	166	169	172	0	10	50	212	15 54	130	82
18	✓	✓		169	169	171	171	171	173	179	189	202	213	228	232	212	171	141	130	138	149	155	160	161	162	162	165	174	0	11	15	233	15 25	129	104
19				169	169	170	171	171	172	174	183	203	213	213	205	183	161	142	131	129	123	142	154	157	159	172	213	170	1	23	35	223	17 35	110	113
20				212	211	203	211	191	189	192	192	190	203	203	178	166	161	154	151	151	161	183	193	179	179	201	172	184	1	1	40	230	19 40	132	98
21				174	163	151	163	173	183	190	172	172	182	203	198	182	172	161	151	151	159	162	162	163	172	181	182	172	1	10	55	207	2 34	129	78
22				172	173	172	169	166	182	182	185	182	180	164	151	141	130	129	133	143	151	159	161	161	161	164	169	162	0	7	49	192	13 50	122	70
23				168	171	171	172	172	182	172	185	208	214	213	192	169	151	125	114	120	110	142	142	149	153	169	170	164	1	9	36	222	17 14	81	141
24			✓	182	190	179	179	181	151	151	161	161	204	209	203	193	168	152	130	142	151	166	176	162	182	234	215	176	2	23	59	488	23 48	66	422
25				251	176	240	320	240	108	201	176	219	⊼															⊼	2	⊼					⊼
26				160	170	171	171	101	148	188	158	173	173	158	164	166	150	150	150	161	172	174	174	174	174	178	178	164	1	7	22	222	4 33	37	185
27				177	171	172	119	171	188	202	227	241	231	196	173	143	129	128	129	139	149	151	153	160	168	171	171	169	1	8	16	262	3 30	39	223
28				162	169	172	174	174	149	162	178	203	221	212	181	162	145	122	129	141	155	164	180	174	186	190	182	170	1	9	12	238	15 01	114	124
29			✓	182	173	168	172	164	180	182	189	212	217	209	201	177	152	138	138	132	160	191	177	235	191	209	210	182	2	20	18	299	14 50	128	171
30			✓	232	269	253	212	244	208	198	114	191	256	132	147	138	110	160	151	158	133	121	171	151	243	208	219	184	2	2	49	434	7 41	-94	528
31			✓	200	196	167	181	180	148	160	110	150	193	185	184	181	171	157	141	140	186	337	270	162	186	197	169	181	2	18	22	397	20 12	59	338
MEANS ALL DAYS [a]				177	180	177	177	177	177	180	183	199	210	204	192	175	156	144	138	141	150	164	167	165	171	177	177	173							137 [a]
MEANS TEN DAYS ✱				173	175	173	176	176	177	182	194	207	215	214	202	184	164	148	141	142	149	156	161	162	164	166	169	174							86
MEANS FIVE DAYS † (G. M. T.)				172	171	171	172	173	176	180	193 189	204 208	211	211	205	190	167	147	140	143	152	158	161	162	164	166	169	173							
MEANS FOUR DAYS ‡ (G. M. T.) [b]				205	208	213	220	204	164	191	153	178	218	184	184	172	150	152	140	143	158	204	198	178	200	212	203	185							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

[a] Thirty days only, omitting incomplete day March 25 [b] Omitting incomplete Greenwich day March 25

TABLE 177

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1940 — APRIL 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1			✓	138	193	191	169	151	194	205	212	192	202	200	161	175	154	157	148	152	198	181	189	172	197	191	191	180	1	19	17	0	31	216
2			✓	178	171	161	138	169	168	151	160	179	194	204	191	174	157	153	157	160	160	165	174	170	171	177	171	169	1	10	04	3	15	209
3			✓	176	181	181	143	181	157	138	162	181	197	150	157	169	149	150	171	168	192	168	173	174	171	170	185	168	2	9	50	3	04	254
4				179	192	184	139	192	181	189	214	224	222	202	180	161	151	141	142	145	155	162	160	165	167	173	173	175	1	4	20	3	58	239
5				172	162	148	173	175	170	177	185	193	199	200	185	170	160	144	138	□				□	162	168	169		0	10	22	15	55	210
6				171	171	170	170	159	159	172	188	196	201	206	198	176	151	137	133	139	149	150	158	161	165	168	167	167	0	10	06	15	12	209
7	✓	✓		168	168	169	170	170	171	171	185	199	202	196	180	159	135	125	123	134	148	157	158	160	161	163	164	164	0	9	28	15	12	203
8	✓	✓		166	166	168	166	169	171	177	190	209	209	193	169	139	129	127	139	146	149	150	156	159	163	164	166	164	0	8	56	14	38	212
9	✓	✓		168	167	172	170	170	173	179	193	212	212	202	180	158	140	139	140	147	151	154	159	162	164	166	169	169	0	9	33	14	24	215
10	✓	✓		168	169	169	168	170	171	179	190	199	201	191	169	140	127	126	136	149	154	158	159	161	163	164	165	164	0	9	18	14	10	202
11	✓			165	166	166	168	170	172	177	190	207	214	206	184	154	135	128	134	140	149	152	156	170	162	165	163	166	0	9	33	14	30	217
12	✓	✓		166	166	169	170	174	176	180	195	211	211	199	171	140	119	118	123	136	148	153	157	159	160	160	161	163	0	8	51	14	30	221
13				160	163	163	167	170	173	178	194	211	211	208	185	158	132	119	120	130	141	149	154	167	173	191	170	166	0	9	50	14	05	214
14				170	164	166	167	165	170	170	183	197	206	198	180	147	130	127	131	136	141	145	159	167	170	170	169	164	0	8	26	14	29	211
15				173	179	167	165	167	171	178	186	190	197	195	175	152	136	127	125	138	149	156	158	163	179	178	204	167	1	23	23	15	08	220
16				170	170	169	158	170	173	176	171	169	168	172	170	159	147	138	132	138	148	150	160	169	172	171	170	162	0	5	36	15	28	180
17				175	180	170	170	163	159	173	180	198	209	205	190	173	150	136	135	138	145	154	161	164	163	166	169	168	0	9	40	15	08	213
18	✓			169	168	163	154	157	158	160	168	179	198	203	187	169	149	139	136	131	147	153	158	163	168	167	167	163	0	10	20	16	17	207
19	✓			167	165	162	161	160	159	165	179	205	210	206	179	152	140	144	140	143	149	158	159	169	166	167	167	166	0	9	53	15	20	215
20				170	169	169	160	161	161	167	180	200	208	197	179	158	143	134	138	140	148	155	158	158	158	162	166	164	0	9	42	16	04	209
21				161	158	171	156	149	152	162	179	200	200	187	170	156	146	136	137	133	137	145	149	156	160	164	163	159	1	9	32	15	10	219
22				162	160	163	164	163	171	167	158	193	193	179	154	129	117	108	106	131	134	141	153	170	179	199	178	157	1	22	15	15	23	220
23	✓			166	168	158	162	164	166	166	178	199	199	195	179	158	145	139	143	151	158	158	157	158	169	163	164	165	0	8	55	13	52	210
24	✓			164	165	164	163	163	157	168	168	181	197	195	186	178	160	150	146	147	150	156	157	158	159	180	166	166	0	10	00	4	07	201
25			✓	168	167	166	166	168	169	170	177	186	186	190	172	95	113	107	107	126	138	152	162	168	168	168	167	156	1	10	06	12	36	219
26			✓	158	167	224	234	197	117	158	111	168	169	168	157	148	146	146	137	151	168	167	160	179	200	200	195	168	1	3	40	5	46	260
27				181	172	189	180	165	176	167	159	156	157	184	180	163	162	150	138	139	145	152	165	169	197	190	177	167	0	21	28	8	06	213
28				169	170	168	163	168	168	167	173	187	186	179	172	163	159	155	142	142	147	168	159	160	168	192	188	167	0	22	30	16	08	214
29				178	167	167	167	165	167	168	177	188	185	187	184	169	152	140	136	139	148	156	157	164	162	173	172	165	0	8	45	15	40	194
30				168	163	165	161	165	168	167	175	193	206	209	197	169	150	139	134	137	145	152	167	159	168	178	181	167	0	10	33	15	22	210
31																																		
MEANS ALL DAYS a)				168	170	171	165	167	166	171	178	193	198	193	177	157	142	136	135	142	151	156	160	165	170	174	173	166						99
MEANS TEN DAYS *				167	167	166	165	167	167	172	184	200	205	199	178	155	138	134	136	142	150	155	158	162	164	166	165	165						82
MEANS FIVE DAYS (G. M. T.) †				165	166	168	168	170	172	178	191 191	206 208	207	196	174	147	130	127	132	142	150	154	158	160	162	163	165	165						
MEANS FIVE DAYS (G. M. T.) ‡				174	177	188	167	181	160	161	161	181	190	182	168	152	144	143	144	151	171	167	172	173	181	181	182	169						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete day April 5

TABLE 178

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1940 MAY 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1	✓			176	163	161	158	160	167	156	156	166	178	189	188	175	162	147	147	146	149	157	163	164	169	172	163	164	0	0 00	198	14 57	142	56
2	✓			161	158	167	142	157	164	160	152	162	172	178	177	176	158	142	132	137	149	157	158	160	164	165	167	159	0	10 30	179	15 35	126	53
3	✓	✓		167	165	167	160	160	159	162	163	172	178	185	186	177	164	143	131	136	147	154	157	164	168	168	167	162	0	11 17	188	15 00	128	60
4	✓	✓		163	160	159	158	159	159	157	157	171	188	203	201	187	168	147	137	138	148	156	157	159	163	163	162	163	0	11 00	209	15 28	136	73
5	✓			162	163	157	161	161	160	157	161	167	186	192	187	176	157	146	137	142	147	151	155	160	160	161	161	161	0	10 25	193	15 24	135	58
6	✓	✓		160	159	159	158	156	161	158	156	166	173	177	172	164	157	153	146	142	146	153	156	157	160	163	161	159	0	10 15	178	16 30	141	37
7	✓			161	160	161	159	160	160	161	166	177	185	186	172	155	147	133	122	117	139	147	155	157	164	166	164	157	0	10 10	187	15 48	115	72
8	✓			158	159	161	156	162	159	160	163	173	178	182	176	167	156	141	134	137	148	155	156	161	162	164	166	160	0	10 55	186	15 31	133	53
9				163	160	161	162	163	160	159	160	170	177	186	180	164	152	147	138	138	146	153	156	159	173	177	166	161	0	22 03	190	15 42	136	54
10				167	167	167	157	161	166	157	159	176	186	192	182	167	156	146	139	140	145	156	166	159	167	166	165	163	1	10 25	194	16 00	136	58
11				176	166	147	166	155	120	161	161	169	166	167	156	150	136	135	137	146	157	155	168	172	178	169	168	158	1	21 03	188	5 19	105	83
12				164	157	156	155	145	159	166	164	167	176	186	178	166	147	136	133	135	146	168	168	166	172	179	167	161	1	18 50	197	16 12	124	73
13				167	165	159	146	157	167	167	145	163	175	176	169	158	154	153	150	147	156	157	158	166	168	167	167	161	0	9 42	184	23 25	136	48
14				164	165	157	166	154	148	151	151	155	169	172	159	158	156	146	147	136	151	160	156	164	170	167	170	158	0	23 50	178	16 34	134	44
15				177	169	166	165	159	157	156	155	168	184	187	183	165	155	138	124	124	145	145	153	165	167	178	175	161	1	10 20	191	16 03	120	71
16				178	167	165	145	167	169	165	159	176	177	193	187	172	158	139	135	143	154	154	155	158	164	165	163	163	0	9 56	195	3 33	126	69
17				159	156	155	147	151	155	160	165	177	188	187	177	160	144	124	117	132	146	154	156	162	160	164	164	157	0	10 06	195	15 45	114	81
18			✓	160	161	158	132	157	157	151	160	168	168	169	172	162	136	124	116	113	133	148	169	179	200	173	170	156	1	20 56	223	17 03	75	148
19				177	177	175	165	166	167	171	177	193	186	186	167	154	144	133	123	129	145	154	157	163	165	165	166	163	0	8 34	198	15 18	115	83
20				160	158	155	154	165	154	161	169	184	187	188	175	145	127	114	117	130	146	154	156	160	163	188	175	158	0	22 57	215	14 38	106	109
21				175	165	160	159	161	158	161	166	176	184	183	176	134	142	132	133	139	146	154	157	158	159	158	158	158	0	10 05	186	12 31	124	62
22			✓	156	155	155	154	149	161	159	154	168	178	140	155	137	130	117	120	123	139	167	185	163	163	167	170	153	1	19 30	218	14 36	93	125
23			✓	185	165	162	160	165	162	164	163	174	185	190	178	167	155	141	133	136	147	155	158	161	162	162	161	162	1	10 53	193	15 13	130	63
24			✓	157	155	165	164	157	155	153	147	163	167	167	163	135	114	146	134	115	125	135	159	198	195	193	196	157	1	20 55	222	12 55	84	138
25				196	190	171	154	134	125	155	156	142	170	183	182	179	166	145	134	135	149	154	155	165	163	166	172	160	0	0 37	221	5 18	104	117
26			✓	174	149	164	155	139	156	156	154	161	175	177	185	180	163	152	122	130	135	132	143	155	160	165	182	157	1	23 13	202	15 13	112	90
27				172	175	176	165	142	143	119	119	92	133	138	153	156	160	152	144	146	154	163	165	163	166	167	168	151	1	1 40	194	8 41	72	122
28				160	152	154	155	154	151	134	121	137	149	150	153	133	144	140	137	140	154	158	158	178	166	173	166	151	0	20 18	186	7 47	113	73
29				167	155	153	154	153	147	153	154	159	165	175	175	159	152	141	134	144	154	156	155	165	165	162	161	157	0	20 49	184	15 47	129	55
30	✓	✓		155	155	154	149	150	150	152	153	162	175	184	182	171	159	145	133	136	149	155	159	160	163	164	161	157	0	10 56	185	15 36	127	58
31	✓	✓		161	157	154	153	153	148	154	154	165	184	187	184	170	154	142	134	139	152	155	156	161	157	159	160	158	0	10 15	190	15 16	133	57
MEANS ALL DAYS				167	162	161	156	156	156	157	156	165	176	179	175	162	151	140	133	135	147	154	159	164	167	168	167	159						76
MEANS TEN DAYS ✲				162	160	160	155	158	159	158	158	168	180	186	182	172	158	144	135	137	147	154	157	160	163	164	163	160						58
MEANS FIVE DAYS † (G. M. T.)				161	159	157	157	157	156	156	157 158	167 169	180	187	185	174	160	146	136	138	148	155	157	160	162	163	162	160						
MEANS FIVE DAYS ‡ (G. M. T.)				177	172	170	162	153	150	152	152	167	175	169	171	156	140	136	125	123	136	147	163	171	176	172	176	158						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 179

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		157	155	154	153	152	151	152	153	165	181	190	185	172	154	139	128	133	145	151	154	155	157	159	159	156	0	10 48	191	15 13	125	66
2				155	154	153	153	149	147	153	152	163	176	183	175	167	146	134	132	135	146	154	155	156	161	173	184	156	0	23 37	195	15 20	131	64
3	✓			171	159	158	153	149	149	145	146	164	175	185	176	164	152	144	140	144	154	155	156	155	163	165	165	158	0	10 54	186	15 23	136	50
4	✓	✓		161	159	153	153	153	154	154	156	157	171	174	173	160	143	132	131	134	145	152	154	157	156	158	159	154	0	10 25	179	14 44	125	54
5				155	156	155	156	155	154	153	151	159	167	173	165	151	142	134	124	125	150	153	153	160	163	164	166	154	0	10 18	175	15 55	121	54
6			✓	161	157	152	151	143	144	148	126	111	126	146	157	161	163	143	125	133	157	161	167	183	173	172	174	151	1	24 00	204	8 14	105	99
7			✓	181	188	184	185	144	116	119	102	132	136	131	135	148	132	133	137	124	139	145	149	148	153	164	163	145	1	006	208	7 07	92	116
8				164	164	148	149	124	139	152	143	124	135	158	166	159	157	153	142	144	154	155	157	164	164	174	168	152	1	22 18	183	4 20	111	72
9				153	162	164	147	135	145	131	142	149	164	178	173	166	159	148	134	142	166	152	151	160	164	166	183	156	0	23 28	201	6 14	117	84
10	✓			159	159	147	154	155	153	149	143	154	159	159	153	155	152	147	145	147	153	154	155	156	157	158	158	153	0	0 56	168	2 30	131	37
11	✓	✓		158	155	155	155	155	154	152	143	138	147	157	164	163	154	148	143	142	148	153	155	155	157	158	156	153	0	11 16	166	8 00	133	33
12	✓			152	153	153	153	153	153	150	145	150	155	163	165	163	157	150	141	140	148	154	153	154	157	155	156	153	0	11 55	166	16 17	137	29
13	✓			158	155	153	153	152	153	154	151	153	160	159	149	142	137	136	134	137	144	150	153	156	159	159	157	151	0	10 04	162	15 36	133	29
14			✓	154	154	152	153	153	156	156	151	151	153	154	153	143	141	132	125	112	129	144	151	151	157	162	170	148	1	23 35	182	16 23	101	81
15			✓	162	170	161	204	180	142	105	92	117	151	155	153	133	122	133	126	120	153	152	151	161	173	174	181	149	1	3 40	222	7 05	47	175
16				183	169	157	153	143	148	151	149	154	154	159	170	163	150	141	128	142	140	151	154	159	166	180	163	155	1	0 00	192	16 00	120	72
17				161	162	153	154	151	152	146	140	144	163	177	175	168	133	119	111	117	141	143	146	151	161	170	155	150	0	11 01	181	16 05	110	71
18				167	173	180	163	163	151	152	150	152	163	173	163	142	132	141	112	116	132	142	149	151	160	161	163	152	0	1 57	190	15 48	92	98
19				161	163	157	156	151	151	150	142	142	150	155	155	145	146	137	128	132	134	143	151	157	152	160	167	149	0	23 24	172	15 56	119	53
20	✓	✓		162	159	156	153	153	155	154	150	150	157	163	164	164	162	152	144	143	149	152	152	153	157	156	154	155	0	1 13	169	15 44	141	28
21	✓	✓		156	156	156	157	155	154	152	145	151	163	168	168	161	152	142	134	134	147	152	152	154	155	154	154	153	0	11 40	172	15 23	132	40
22				153	153	154	152	153	153	152	150	152	160	164	169	167	158	147	139	141	148	152	157	147	160	161	162	154	0	19 24	170	20 21	136	34
23				155	151	146	144	142	142	142	142	140	133	150	161	159	154	144	140	141	144	151	151	152	153	153	154	148	0	11 43	162	9 05	126	36
24				151	151	149	142	141	144	151	145	150	165	164	162	152	151	143	132	131	141	151	152	152	166	162	170	151	1	21 02	188	15 36	128	60
25			✓	169	161	149	162	152	155	140	126	141	158	171	195	141	142	132	118	115	127	179	162	224	265	223	236	164	2	20 53	345	15 19	100	245
26				203	185	108	158	165	166	157	152	162	168	162	162	162	162	150	142	146	153	151	155	163	164	163	163	159	1	0 00	241	2 47	29	212
27				161	155	151	150	149	144	146	145	153	164	171	171	161	151	143	133	136	147	152	153	162	153	160	153	153	0	9 57	179	16 02	131	48
28	✓			155	154	153	152	152	154	153	153	163	171	182	182	164	149	137	132	140	149	151	151	153	154	154	153	155	0	11 06	187	15 40	131	56
29				151	152	150	143	151	152	153	153	160	169	172	167	155	150	135	127	134	144	151	151	153	154	158	158	152	0	10 11	173	15 28	124	49
30				162	156	156	133	144	150	151	152	162	182	171	163	157	153	142	131	133	143	151	153	156	159	162	166	154	0	9 43	189	3 32	119	70
31																																		
MEANS ALL DAYS				162	160	154	155	151	149	147	143	149	159	166	166	157	149	140	132	134	146	152	153	159	163	165	166	153						74
MEANS TEN DAYS ✱				159	156	154	154	153	153	152	148	154	164	170	168	161	151	143	137	139	148	152	154	155	157	158	157	154						42
MEANS FIVE DAYS † (G. M. T.)				154	154	154	154	153	152	152	149 149	152 155	164	170	171	164	153	143	136	137	147	152	153	155	156	157	156	154						
MEANS FIVE DAYS ‡ (G. M. T.)				179	175	152	170	151	142	137	128	130	145	151	159	145	140	135	126	121	141	156	156	173	184	179	185	152						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 180

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1940 — JULY 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				166	165	164	159	155	163	162	158	168	175	174	173	167	154	140	130	137	148	152	153	157	159	156	156	158	0	10	00 181	15	35 129	52
2	✓	✓		151	150	148	148	151	151	151	151	156	165	171	169	159	151	141	134	136	142	148	151	154	153	154	154	152	0	10	42 173	15	16 131	42
3				153	152	148	140	147	151	150	149	156	163	171	165	160	147	131	121	136	146	152	152	162	166	172	160	152	1	22	00 182	15	31 116	66
4			✓	156	152	153	131	151	152	139	119	137	169	172	161	157	151	143	138	136	150	152	151	154	157	158	173	150	1	23	40 199	3	35 108	91
5				174	160	143	152	132	127	119	101	125	152	166	162	156	143	139	132	138	149	152	154	160	174	159	164	147	1	21	10 206	7	49 87	119
6				157	153	142	135	152	134	131	130	130	148	152	156	152	142	132	129	135	146	152	153	164	160	160	156	146	0	20	54 177	3	00 110	67
7	✓			161	152	151	147	140	147	146	145	156	172	182	175	163	147	138	132	140	147	152	154	153	164	158	164	154	0	10	26 184	4	00 112	72
8	✓			163	152	152	154	150	148	147	148	157	165	167	164	163	154	141	138	141	150	153	154	154	154	156	158	153	0	10	02 172	15	15 135	37
9				156	152	151	150	150	150	148	144	147	158	164	167	157	157	150	131	131	132	134	136	151	154	160	163	150	1	10	40 172	15	33 121	51
10			✓	163	155	172	157	157	162	154	148	152	152	157	155	156	146	163	133	111	144	132	137	171	154	155	165	152	1	20	54 213	16	18 107	106
11				173	173	153	158	152	153	144	146	156	153	172	155	143	138	139	132	137	150	148	151	154	158	163	157	152	0	1	06 188	6	49 121	67
12	✓			156	159	153	151	143	155	156	158	165	173	173	170	151	151	142	133	137	146	151	153	154	155	155	153	154	0	9	50 175	15	59 131	44
13			✓	153	152	149	147	149	153	155	152	158	165	162	162	145	129	118	117	121	125	129	121	260	227	203	179	155	1	20	28 316	15	05 111	205
14			✓	173	167	193	163	157	159	160	156	171	172	175	170	149	144	142	141	128	142	159	153	162	177	163	171	160	1	2	28 214	7	07 111	103
15				176	164	154	150	151	151	144	153	162	171	168	169	163	153	132	133	140	143	146	153	153	152	172	169	155	1	0	15 184	14	57 119	65
16				168	163	148	145	152	152	150	153	155	164	173	166	159	147	132	127	135	149	148	153	154	156	159	164	153	0	10	57 175	14	40 123	52
17	✓	✓		159	152	151	153	154	153	144	152	158	172	172	173	169	151	139	131	131	139	148	150	153	155	159	160	153	0	11	57 176	15	36 128	48
18	✓	✓		163	162	157	153	153	153	152	148	152	158	165	168	163	158	153	142	139	143	145	148	151	153	157	161	154	0	11	43 170	15	50 137	33
19	✓			161	155	154	153	153	155	153	145	145	153	162	164	159	153	141	137	136	143	151	153	154	158	157	158	152	0	11	25 167	16	04 133	34
20	✓	✓		153	153	153	153	152	143	144	135	144	153	160	164	165	165	159	152	143	144	152	152	152	153	153	152	152	0	13	25 168	7	27 132	36
21				151	150	146	145	144	143	142	135	141	158	164	164	165	164	154	143	135	133	134	144	152	158	158	164	149	0	12	17 172	17	36 131	41
22				159	162	153	145	133	133	133	132	138	154	165	166	163	156	141	105	124	130	141	150	153	169	174	170	148	1	22	20 184	15	15 90	94
23				167	171	163	150	140	144	143	137	132	152	163	164	164	162	144	134	134	142	147	151	152	153	154	155	151	0	1	06 181	8	10 126	55
24				154	153	151	149	152	154	152	139	155	168	179	175	162	145	134	132	134	135	150	153	154	155	156	160	152	0	10	45 182	15	30 124	58
25				159	155	152	144	150	153	154	145	136	153	162	157	144	139	140	123	124	153	153	153	154	157	157	154	149	0	17	40 165	15	40 122	43
26	✓			154	153	148	146	149	151	150	148	150	164	174	174	167	157	144	134	134	145	148	152	155	156	155	157	153	0	11	00 176	16	19 128	48
27	✓	✓		159	152	148	148	150	151	148	149	154	168	170	162	154	144	139	134	140	145	153	154	154	155	159	154	152	0	9	40 173	15	28 133	40
28				154	150	148	147	146	147	150	149	154	155	165	171	166	155	143	131	129	133	135	146	150	155	159	159	150	0	11	00 173	16	04 123	50
29				155	155	154	154	153	153	152	147	154	160	170	167	162	153	150	143	135	143	152	153	154	163	162	154	154	0	10	36 174	16	34 134	40
30			✓	152	149	146	143	132	144	149	147	155	166	176	173	162	146	134	126	132	140	149	154	156	166	164	181	152	1	23	34 195	4	06 115	80
31				155	155	135	123	152	143	128	141	155	165	153	154	157	151	145	133	130	152	145	153	164	166	165	165	149	1	20	45 174	3	16 113	61
MEANS ALL DAYS				160	156	153	148	148	149	147	144	151	162	168	166	159	150	141	132	134	143	147	150	159	161	161	162	152						65
MEANS TEN DAYS ✱				158	154	152	151	150	151	149	148	154	164	170	168	161	153	144	137	138	144	150	152	153	156	156	157	153						43
MEANS FIVE DAYS † (G. M. T.)				156	154	151	148	149	150	149	147 145	153 150	163	168	167	162	154	146	139	138	143	149	151	153	154	156	156	152						
MEANS FIVE DAYS ‡ (G. M. T.)				170	164	156	149	149	147	139	139	155	165	168	164	154	143	140	131	126	140	144	143	181	176	169	174	154						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Z = NO RECORD

TABLE 181

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1940

AUGUST 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				160	155	153	144	144	136	144	149	166	166	145	166	163	147	134	132	133	144	151	152	153	154	154	155	150	0	8	55	185	16 14	128	57
2				155	156	146	148	147	145	138	142	158	174	183	183	178	160	142	134	133	141	146	148	153	157	161	159	154	0	10	50	184	2 53	128	56
3			✓	156	153	148	129	146	146	146	148	159	170	171	180	175	150	115	97	102	115	111	115	135	153	169	159	144	1	23	03	216	16 20	82	134
4				168	179	176	165	166	157	155	150	155	166	172	181	174	165	146	125	118	132	140	146	150	156	158	159	157	0	11	35	186	15 57	112	74
5				160	158	159	157	147	151	153	146	156	175	191	199	197	187	160	137	125	129	135	142	146	156	164	162	158	0	11	26	200	16 11	124	76
6			✓	160	156	156	156	160	142	149	151	162	170	176	179	177	177	148	134	125	129	130	134	144	156	156	156	153	1	13	26	187	18 26	115	72
7				164	154	157	166	151	155	156	123	149	167	179	187	187	166	139	129	124	149	136	137	142	149	166	165	154	1	12	28	191	7 30	106	85
8				165	173	180	155	154	154	148	146	155	174	181	198	205	182	146	115	116	123	135	135	154	155	157	157	157	0	12	00	207	15 36	109	98
9			✓	161	157	157	159	158	155	155	157	166	179	189	185	175	150	130	115	113	139	153	153	164	147	158	166	156	1	10	50	191	15 25	104	87
10				178	214	192	138	166	161	146	151	163	168	173	172	152	136	120	114	111	131	142	145	144	156	156	162	154	0	1	30	232	16 10	104	128
11			✓	162	163	163	154	154	152	149	143	157	176	187	177	157	147	144	132	118	125	124	139	151	168	168	177	154	1	10	14	194	16 31	114	80
12				193	172	161	149	156	149	149	131	146	165	175	171	160	145	132	118	119	122	125	137	146	158	166	181	151	0	0	35	202	7 41	114	88
13	✓			177	170	165	157	159	159	161	165	163	176	179	183	167	158	146	138	128	128	135	149	153	158	163	167	158	0	0	09	198	16 40	123	75
14				162	157	155	154	153	154	147	149	172	184	190	184	168	153	134	118	118	126	134	163	151	158	163	163	155	0	9	59	196	15 45	109	87
15	✓	✓		159	155	148	151	148	148	150	157	159	172	181	183	173	158	131	116	120	134	143	146	148	152	156	156	152	0	11	47	187	15 40	115	72
16	✓	✓		158	157	153	150	148	147	145	145	149	168	184	188	177	159	140	129	120	132	142	147	149	157	157	156	152	0	11	09	189	16 08	118	71
17	✓	✓		156	152	148	147	146	147	146	149	167	178	181	178	171	159	147	126	117	132	143	147	146	149	152	152	152	0	10	50	186	16 15	116	70
18				149	149	148	148	146	142	141	140	159	183	198	199	189	179	158	142	127	130	137	142	147	156	165	169	156	0	10	50	201	16 30	125	76
19				170	193	184	158	144	140	116	127	142	163	181	187	174	162	147	134	130	137	145	147	147	151	162	169	155	0	1	51	213	6 28	104	109
20				183	166	163	157	157	157	150	134	134	152	170	189	172	166	148	134	130	137	146	151	157	157	155	155	155	1	0	10	208	7 36	122	86
21	✓			162	161	155	154	153	148	147	148	151	160	178	185	174	164	152	145	138	139	146	145	145	147	156	158	155	0	11	48	187	17 10	136	51
22	✓			155	154	149	157	150	147	142	135	144	172	177	178	172	157	136	125	129	137	145	147	147	151	157	168	151	0	11	58	179	15 07	123	56
23	✓			168	168	167	153	149	148	146	139	148	159	162	160	157	149	139	133	135	141	147	148	151	153	154	156	151	0	1	20	178	15 25	127	51
24	✓	✓		154	155	148	151	149	149	141	139	157	184	187	192	189	169	145	132	128	138	144	148	148	151	152	150	154	0	11	06	207	16 10	126	81
25	✓			149	150	150	148	149	150	150	151	162	170	177	178	175	163	148	137	127	134	145	146	148	149	153	151	152	0	11	32	179	16 50	126	53
26			✓	154	150	148	149	150	148	138	157	171	185	184	178	166	153	138	128	131	138	137	137	141	147	167	158	152	1	9	40	191	6 40	121	70
27				138	148	147	159	147	123	74	125	149	169	190	179	166	150	145	116	118	131	140	146	149	151	152	158	145	1	10	40	199	6 13	40	159
28				157	150	148	148	146	146	147	149	161	177	184	183	178	162	138	115	127	134	158	150	148	153	157	154	153	0	10	34	193	15 40	107	86
29				149	150	148	138	141	142	145	158	169	179	185	189	186	168	149	131	123	130	144	148	154	165	152	154	154	0	21	29	196	16 09	119	77
30	✓	✓		149	149	149	148	148	148	150	159	177	190	198	197	190	180	158	136	124	130	139	145	146	148	149	149	156	0	10	09	199	16 49	122	77
31				149	149	148	144	138	146	148	148	167	183	200	203	191	174	157	138	128	132	137	138	146	148	154	155	155	0	11	37	207	16 50	127	80
MEANS ALL DAYS				161	160	157	151	151	148	144	146	158	173	181	184	175	161	142	128	124	133	140	144	148	154	158	160	153							81
MEANS TEN DAYS *				159	157	153	152	150	149	148	149	158	173	180	182	174	162	144	132	127	134	143	147	148	152	155	156	153							66
MEANS FIVE DAYS † (G. M. T.)				152	151	149	147	145	146	146	150 147	162 161	178	186	188	180	165	144	128	122	133	142	147	147	151	153	153	153							
MEANS FIVE DAYS ‡ (G. M. T.)				168	173	167	155	157	149	136	136	163	176	181	180	170	155	135	121	118	129	131	136	147	154	164	163	153							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE, MAGNETIC STORM
= INTERPOLATED
= ESTIMATED
= LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = ND RECORD

TABLE 182

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1940

SEPTEMBER 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1			✓	157	158	158	157	153	149	154	140	145	168	171	178	185	153	147	117	120	131	136	158	168	189	190	198	158	1	21	31	221	20	29	104	117
2				180	172	173	180	161	158	158	161	173	184	194	195	185	163	132	118	120	131	147	130	139	179	164	167	161	1	11	00	199	15	50	108	91
3				168	169	167	151	152	154	159	165	168	159	193	200	186	153	134	118	128	131	145	149	159	159	164	166	158	1	11	05	203	14	40	115	88
4				161	154	159	170	160	160	158	161	169	180	184	184	161	151	144	129	125	127	159	141	143	149	154	159	156	1	11	20	190	15	50	121	69
5				166	159	158	159	152	144	145	150	177	180	185	186	168	152	146	142	120	134	140	147	147	153	154	158	155	0	9	51	190	16	48	119	71
6				167	165	162	168	156	157	159	157	169	190	200	198	177	150	129	113	116	126	144	130	140	149	152	156	155	0	11	14	202	15	52	108	94
7			✓	154	154	155	159	157	143	144	155	165	170	185	190	180	148	131	129	127	132	163	150	145	162	177	159	156	1	11	25	203	16	26	119	84
8				180	169	159	151	151	130	138	150	169	192	207	201	179	159	140	128	129	125	128	158	142	153	154	174	157	0	10	55	210	5	51	108	102
9				169	170	162	157	152	150	158	162	152	151	161	166	150	138	130	126	123	128	135	149	144	158	154	163	150	0	1	00	192	16	23	121	71
10	✓	✓		176	171	169	163	149	150	160	147	175	181	182	179	163	147	132	131	132	134	140	141	145	145	146	148	154	0	9	35	185	14	27	129	56
11	✓			149	150	149	147	148	148	145	150	161	171	176	178	168	146	132	129	126	130	134	133	141	151	155	159	149	0	11	25	181	16	00	123	58
12	✓	✓		163	160	150	147	146	150	149	158	175	192	200	194	182	154	130	122	123	130	139	140	142	147	152	150	154	0	10	30	202	15	26	119	83
13	✓			147	145	143	142	141	147	150	159	171	181	189	184	165	135	112	110	124	133	138	140	140	145	143	147	147	0	10	45	191	15	00	109	82
14				148	145	144	144	144	146	149	161	182	202	205	185	160	129	103	99	110	129	133	135	139	140	143	150	147	1	10	31	212	14	51	98	114
15				160	154	175	191	159	159	161	161	179	188	188	180	161	139	120	117	117	128	138	140	145	157	159	150	155	1	3	05	222	15	30	111	111
16				152	147	149	140	149	149	151	160	171	187	192	181	156	124	109	117	120	129	139	139	144	150	180	200	151	0	23	20	223	14	29	108	115
17	✓	✓		149	147	139	146	148	149	161	178	191	193	187	166	135	114	106	109	120	134	137	138	139	141	145	144	146	0	9	06	195	14	35	104	91
18	✓			143	145	147	145	147	146	150	167	183	198	191	170	140	116	98	101	110	126	134	139	139	140	143	145	144	0	9	50	199	14	30	97	102
19	✓	✓		147	146	144	142	140	141	150	164	182	196	202	191	159	122	105	97	108	128	138	139	140	141	144	144	146	0	10	40	203	15	30	96	107
20				143	143	142	143	144	146	150	169	192	213	212	191	160	129	109	102	116	121	127	130	139	148	149	165	149	0	9	41	218	15	24	98	120
21				168	149	139	139	132	140	158	169	182	192	192	185	161	137	117	112	113	129	140	156	165	157	160	150	152	1	10	26	210	16	22	107	103
22				142	139	144	141	140	143	146	154	166	182	193	191	169	139	118	108	117	140	141	139	140	153	172	159	149	0	10	50	194	15	42	104	90
23	✓	✓		149	140	141	138	140	141	141	149	164	191	202	191	156	117	98	99	109	127	132	139	140	146	143	143	143	0	10	49	204	14	37	97	107
24	✓			144	144	144	146	147	147	147	160	183	197	193	169	129	107	95	97	116	136	139	137	138	138	138	139	143	0	10	11	202	14	49	92	110
25				140	139	139	139	137	133	140	161	181	198	181	161	130	109	107	108	120	134	139	147	143	143	146	150	143	1	9	22	201	13	56	97	104
26			✓	149	155	168	148	147	150	131	180	194	203	192	167	133	114	106	108	125	137	138	139	140	140	141	147	148	1	9	54	207	14	49	103	104
27			✓	159	170	242	201	173	175	187	200	203	190	160	149	119	99	106	108	118	132	140	159	168	169	167	178	161	1	3	00	257	13	28	96	161
28			✓	162	172	149	155	148	150	148	153	180	181	179	174	156	129	130	111	119	123	169	144	148	177	176	170	154	1	21	54	201	16	41	106	95
29				190	149	169	121	133	150	149	171	181	175	164	148	127	110	111	118	130	141	143	155	148	158	166	159	149	0	0	45	209	14	12	103	106
30	✓			148	150	148	149	148	149	158	167	181	188	187	170	143	118	107	109	121	130	137	139	141	149	149	151	147	0	10	26	189	14	34	106	83
31																																				
MEANS ALL DAYS				158	154	156	153	148	148	152	161	175	186	188	180	158	133	119	114	120	131	140	143	145	153	156	158	151								96
MEANS TEN DAYS ✱				152	150	147	146	145	147	151	160	177	189	191	179	154	128	112	110	119	131	137	138	140	144	146	147	148								88
MEANS FIVE DAYS † (G. M. T.)				145	145	145	145	145	147	148	159 161	177 178	191	195	184	159	131	114	112	118	131	137	139	141	144	146	146	148								
MEANS FIVE DAYS ‡ (G. M. T.)				174	166	178	162	153	153	156	167	177	182	177	172	155	129	124	115	122	131	149	150	154	167	170	170	156								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⌀ = NO RECORD

TABLE 183

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1940 — OCTOBER 1940

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	151	157	158	157	130	152	166	180	180	174	155	130	108	97	107	108	117	130	148	139	141	151	172	177	145	1	8	10	190	13 10	92	98
2				208	212	206	209	181	170	180	187	187	187	178	157	131	116	108	118	127	127	129	149	138	163	160	148	162	1	0	17	251	14 40	107	144
3				162	181	165	163	169	155	165	171	181	185	180	160	130	110	90	98	101	119	127	129	135	148	150	153	147	1	1	01	192	14 30	84	108
4				149	160	118	149	151	157	154	157	169	170	174	160	140	133	123	112	117	129	135	137	139	141	144	147	144	0	10	30	179	15 34	109	70
5				150	149	152	151	154	153	154	161	174	191	182	161	137	117	106	102	108	121	129	129	138	148	168	150	145	0	9	40	196	14 57	96	100
6				149	149	152	150	157	156	154	161	181	197	191	178	152	129	109	102	108	117	119	125	137	157	146	149	147	0	9	54	202	15 33	99	103
7			✓	169	178	165	167	164	158	168	177	170	165	171	156	128	88	75	71	85	77	108	130	146	163	168	200	144	1	22	49	221	17 22	60	161
8			✓	200	226	242	222	171	160	193	202	191	170	191	166	150	130	113	108	121	139	143	158	161	167	170	208	171	1	1	45	260	15 21	97	163
9	✓			181	170	191	159	153	149	160	169	181	201	201	192	170	142	118	109	113	129	138	138	139	139	139	149	155	0	9	30	204	15 43	108	96
10	✓			147	146	146	147	143	149	167	183	202	211	201	172	128	98	81	79	95	116	131	148	146	142	142	143	144	0	9	44	212	14 57	76	136
11				142	143	148	150	152	153	152	170	191	199	192	169	130	109	98	94	108	118	129	132	135	153	162	160	145	0	9	26	208	15 39	90	118
12				150	149	147	145	147	149	165	180	191	197	194	169	138	115	99	93	103	120	129	138	138	139	140	140	145	0	10	08	204	15 15	90	114
13	✓	✓		141	148	146	141	140	128	141	177	192	202	187	159	128	104	94	98	109	125	129	130	135	138	139	139	140	0	9	22	209	14 04	90	119
14	✓	✓		141	140	140	140	141	143	159	172	189	193	182	162	134	113	103	101	116	123	130	131	132	135	138	139	142	0	9	15	196	15 15	98	98
15				139	140	139	138	139	139	154	176	200	204	189	160	129	99	94	96	108	120	129	128	137	147	139	139	141	1	8	59	210	14 07	80	130
16				140	134	130	144	141	149	161	180	200	205	199	170	139	109	91	88	107	124	128	129	137	140	148	150	143	0	9	49	209	15 05	86	123
17	✓			160	147	139	162	147	148	154	162	187	201	206	184	151	125	110	110	118	128	134	133	133	135	139	141	148	0	9	46	210	14 40	108	102
18				148	146	144	144	147	150	155	169	190	199	191	165	129	98	68	82	107	117	128	130	132	135	139	140	140	1	8	36	210	14 56	57	153
19				139	139	143	139	131	139	139	170	182	201	192	172	144	119	87	80	105	116	129	146	168	152	140	140	142	1	9	56	212	15 20	77	135
20				141	139	129	120	124	111	138	162	192	199	192	180	160	137	118	108	115	129	138	139	141	138	139	139	143	0	9	40	201	4 54	87	114
21				139	140	140	138	136	139	140	150	192	211	197	160	122	108	99	101	115	129	143	160	135	138	139	140	142	1	9	50	218	14 36	96	122
22				157	141	139	137	118	121	127	149	189	201	185	158	129	95	97	93	101	116	129	160	158	146	140	142	139	1	9	26	211	13 54	75	136
23	✓	✓		140	140	141	141	139	147	162	181	201	210	201	176	138	107	92	87	104	118	129	131	133	136	138	139	143	0	9	36	211	15 10	86	125
24	✓	✓		141	141	142	143	145	148	161	180	196	201	198	180	149	121	103	98	108	125	135	137	138	138	140	139	146	0	9	44	203	15 05	97	106
25			✓	140	139	139	138	139	144	159	176	191	202	200	172	139	112	98	97	106	117	120	135	144	137	136	135	142	1	10	06	211	15 04	94	117
26			✓	137	139	148	146	160	161	162	180	191	209	199	170	144	118	106	98	105	94	91	108	117	129	187	161	144	1	22	28	222	17 45	76	146
27				221	221	197	195	190	191	177	190	191	181	161	137	125	117	103	111	118	125	143	164	153	157	154	153	161	1	1	19	240	14 30	99	141
28				160	158	153	139	148	157	169	180	201	211	191	179	150	127	100	97	97	110	127	129	134	149	144	146	148	0	9	20	215	15 10	95	120
29	✓			149	150	149	148	127	148	160	178	190	181	170	142	120	112	108	109	117	120	129	142	141	139	138	140	142	0	8	07	191	14 36	104	87
30	✓	✓		140	143	146	143	146	149	159	174	192	202	189	151	118	99	96	98	113	122	128	128	131	139	139	139	141	0	9	56	207	14 03	89	118
31	✓			139	140	141	143	148	154	169	179	174	170	153	122	100	97	92	97	109	139	134	130	129	136	144	160	137	0	7	04	191	14 23	88	103
MEANS ALL DAYS				154	155	153	152	148	149	159	174	188	195	187	164	135	113	100	98	109	121	130	137	139	144	148	150	146							120
MEANS TEN DAYS *				148	146	148	147	143	146	159	176	190	197	189	164	134	112	100	99	110	124	132	135	136	138	140	143	144							109
MEANS FIVE DAYS † (G. M. T.)				140	140	140	140	142	146	160	177 177	194 190	202	191	166	133	109	98	96	110	123	130	131	134	137	139	139	142							
MEANS FIVE DAYS ‡ (G. M. T.)				189	194	197	186	171	166	174	186	185	184	183	159	134	109	100	96	107	111	122	134	142	149	167	176	155							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 184

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1940

NOVEMBER 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				160	151	139	140	141	149	170	188	199	201	190	167	129	96	77	75	79	96	105	116	118	150	148	147	139	1	9 25	202	14 52	67	135
2	✓			150	152	148	141	146	150	162	180	199	201	183	154	116	88	70	66	81	108	128	140	137	139	138	139	138	0	9 01	210	15 15	60	150
3				140	140	139	139	140	148	161	181	199	203	202	179	137	98	82	77	87	99	138	137	140	151	152	151	142	0	10 15	213	15 14	74	139
4				150	159	165	165	164	169	181	195	212	203	181	153	127	99	88	90	89	114	123	128	135	154	181	191	151	1	8 33	215	14 19	86	129
5				189	204	176	163	166	169	190	199	170	179	150	118	95	83	87	89	98	101	129	151	161	162	153	149	147	1	7 11	216	13 40	78	138
6	✓			146	149	143	148	140	144	155	170	183	191	181	160	134	109	99	103	118	132	130	129	130	136	137	138	142	0	9 48	198	14 17	97	101
7				134	129	139	129	140	143	156	171	181	182	179	161	134	117	97	98	108	119	129	168	153	139	139	137	141	0	9 32	187	14 55	92	95
8	✓	✓		137	138	138	135	142	147	163	190	203	201	189	167	139	119	105	109	119	124	129	130	130	136	139	142	145	0	8 48	209	14 31	102	107
9				145	140	140	140	145	150	169	183	205	212	201	170	129	95	76	74	86	98	119	124	130	160	157	171	142	0	9 43	215	15 50	68	147
10	✓	✓		165	151	141	134	146	161	183	201	210	203	180	143	112	89	85	92	107	117	124	128	130	131	136	139	142	0	8 10	211	14 30	83	128
11	✓	✓		139	139	138	139	143	150	167	180	190	190	170	142	109	88	85	96	108	119	124	125	128	129	132	137	136	0	8 55	192	14 15	80	112
12			✓	137	137	137	137	139	148	162	180	192	189	184	171	148	116	97	88	98	121	122	135	139	158	160	146	143	1	8 25	197	15 11	87	110
13			✓	148	157	146	140	169	159	138	159	153	166	156	115	106	72	61	87	113	125	129	152	140	151	184	171	137	1	4 46	196	15 07	40	156
14				151	148	137	138	140	170	184	201	217	201	188	137	107	90	87	97	117	126	140	137	161	151	139	137	146	1	8 35	233	14 07	78	155
15				141	140	140	142	148	140	163	187	214	215	190	148	108	85	78	88	110	129	134	138	130	132	139	140	141	1	8 50	226	14 15	77	149
16				148	141	136	138	130	135	168	190	203	231	212	182	151	116	89	90	97	115	130	129	130	131	131	141	144	1	9 34	237	14 50	86	151
17				164	160	130	133	134	104	139	178	210	218	201	167	129	97	86	96	111	128	135	135	130	132	134	171	143	0	9 46	222	14 15	85	137
18	✓	✓		169	154	137	118	139	146	139	172	205	211	215	187	149	116	95	97	109	123	130	134	137	142	138	138	146	0	8 51	231	14 41	89	142
19	✓	✓		137	138	137	135	134	137	148	171	182	191	181	167	139	109	97	104	119	129	130	129	127	131	142	137	140	0	9 46	192	15 00	90	102
20				133	134	133	136	138	148	161	181	197	200	172	138	107	88	82	87	103	116	118	118	118	125	131	139	133	1	9 30	202	14 50	78	124
21				139	139	139	140	144	153	188	221	210	214	201	162	138	108	81	81	82	94	117	139	159	167	140	137	146	1	7 41	248	16 30	72	176
22			✓	136	138	138	140	148	150	168	182	180	181	163	137	107	76	57	58	78	106	153	160	150	130	133	132	133	1	7 45	191	15 20	53	138
23				137	140	139	140	123	154	196	197	206	222	184	146	128	78	61	67	87	119	129	131	129	141	140	140	139	1	9 48	234	15 00	47	187
24	✓			138	140	142	143	143	164	186	194	198	199	195	171	149	130	115	109	109	116	124	130	130	132	137	138	147	0	8 40	202	15 44	105	97
25			✓	140	137	137	140	145	139	153	171	181	172	162	151	139	124	110	107	99	111	120	118	131	134	225	201	144	1	22 40	269	17 06	88	181
26				215	167	157	155	170	191	193	202	193	182	159	130	108	99	89	92	110	119	115	128	138	139	139	151	148	1	0 31	252	15 10	81	171
27	✓			142	136	140	140	145	159	178	192	200	187	170	147	129	111	100	98	106	118	128	131	150	176	152	150	145	0	8 50	204	15 05	94	110
28	✓			139	137	132	131	140	147	171	190	193	201	193	169	131	109	97	92	102	114	123	130	132	129	133	146	141	0	10 10	202	15 05	89	113
29			✓	141	140	140	139	141	157	182	204	213	222	204	171	129	97	73	67	70	101	114	125	141	173	198	173	146	1	9 14	235	15 32	58	177
30				190	200	190	181	160	154	162	191	213	211	179	151	137	119	101	101	106	111	120	124	131	140	139	159	153	1	8 20	227	15 45	99	128
31																																		
MEANS ALL DAYS				150	148	143	141	145	151	168	187	197	199	184	155	127	101	87	89	100	115	126	133	136	143	148	150	143						136
MEANS TEN DAYS *				146	143	140	136	142	150	165	184	196	198	186	161	131	107	95	97	108	120	127	131	133	138	138	140	142						116
MEANS FIVE DAYS † (G. M. T.)				138	138	137	137	140	147	161	183 179	198 193	199	187	161	130	104	93	100	112	122	127	129	130	134	137	139	141						
MEANS FIVE DAYS ‡ (G. M. T.)				168	162	154	151	152	166	175	190	184	186	174	149	126	97	80	81	92	113	128	138	140	149	180	165	146						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 185

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				149	148	148	141	146	155	167	172	175	181	171	149	128	109	94	90	108	110	119	140	127	129	139	141	139	0	9	22	189	15 19	87	102
2				140	143	142	146	157	166	176	180	194	203	192	158	130	101	79	79	94	110	157	149	142	140	149	152	145	1	9	59	215	14 54	76	139
3				159	148	138	144	149	151	152	171	198	209	198	179	148	127	105	98	102	109	120	148	143	150	167	151	148	0	9	33	212	15 33	96	116
4	✓			148	140	146	148	142	131	161	187	201	208	204	177	150	119	99	88	89	99	107	118	141	135	150	161	144	0	9	00	214	15 37	86	128
5	✓			151	149	144	138	147	152	178	190	183	191	186	166	144	142	109	108	106	110	123	129	127	135	147	151	146	0	9	16	202	16 37	102	100
6	✓	✓		145	140	149	146	149	161	172	179	181	175	165	151	140	128	109	98	100	103	117	119	123	131	137	140	140	0	6	50	186	15 50	96	90
7	✓	✓		139	139	140	143	139	150	166	178	186	190	178	160	138	115	108	103	109	115	126	130	129	129	131	132	141	0	8	48	192	15 50	100	92
8	✓	✓		133	136	138	139	144	151	170	187	199	191	179	157	137	119	109	104	107	109	118	120	126	128	130	131	140	0	8	50	200	15 45	100	100
9				136	138	140	140	143	150	167	180	188	182	177	155	128	98	73	68	63	78	105	109	118	128	130	129	130	0	8	09	190	16 40	58	132
10				134	140	143	145	150	163	180	192	201	206	191	165	146	119	110	108	108	115	122	130	119	121	128	130	144	0	9	30	211	16 38	100	111
11	✓			160	161	138	125	132	142	161	181	187	189	174	150	137	130	134	140	139	136	128	124	126	128	131	130	145	0	6	58	201	3 35	113	88
12				131	123	132	131	127	130	156	176	168	170	151	124	110	108	119	121	129	129	130	129	131	138	133	152	135	0	7	50	212	12 57	101	111
13				149	144	138	138	131	152	180	190	203	181	151	135	116	110	99	109	121	129	130	128	125	125	130	134	140	1	8	29	211	14 32	96	115
14				136	129	118	129	128	143	168	184	180	181	179	158	139	131	128	126	128	127	132	144	152	141	131	132	144	1	7	32	192	2 56	111	81
15				149	180	167	160	150	162	180	202	221	210	171	125	108	95	89	100	113	122	121	125	122	136	160	148	146	1	8	23	225	13 50	88	137
16				129	152	148	133	135	149	153	167	192	218	209	171	129	88	78	81	104	117	128	121	135	148	140	131	140	1	9	37	227	15 10	77	150
17	✓			129	131	147	138	129	150	159	187	209	212	198	152	125	109	99	110	127	130	132	130	148	160	154	145	146	0	9	10	218	14 36	96	122
18	✓	✓		143	144	153	148	146	160	166	181	182	172	140	118	107	90	87	98	118	129	131	141	130	127	128	130	136	0	8	20	192	14 24	85	107
19	✓	✓		135	141	141	145	141	151	171	192	202	201	201	152	120	101	88	88	98	108	117	127	130	121	122	129	138	0	8	50	205	15 10	86	119
20			✓	129	129	131	133	140	150	179	205	215	204	194	168	136	108	88	89	89	96	121	139	163	161	150	170	145	1	20	50	246	14 33	77	169
21			✓	192	160	162	153	142	139	160	181	193	190	184	148	106	87	76	78	96	102	126	156	124	141	170	139	142	1	0	29	240	14 39	65	175
22			✓	148	142	148	140	118	141	171	194	195	192	170	135	118	101	86	81	90	102	101	129	149	140	140	89	134	1	20	26	212	23 25	59	153
23				66	127	139	142	149	160	174	183	183	179	154	132	117	99	98	101	108	109	120	130	176	150	162	169	139	1	20	20	192	0 23	30	162
24	✓			174	150	149	119	133	151	162	172	181	181	161	136	118	113	109	106	108	110	120	128	131	139	138	139	139	0	9	36	190	15 35	105	85
25				140	139	141	140	140	141	159	190	192	173	152	128	119	108	99	108	119	118	128	140	141	139	139	146	139	0	8	01	203	14 34	91	112
26				155	156	144	143	149	160	171	186	173	151	132	111	98	97	93	98	102	109	112	115	127	120	128	130	132	0	7	43	197	14 31	87	110
27				132	136	141	140	142	151	180	181	172	163	136	114	100	100	99	88	97	109	109	118	131	151	141	154	133	0	6	32	192	15 56	85	107
28				140	141	142	147	151	165	181	191	183	155	126	97	81	81	89	98	109	121	118	118	121	119	131	130	131	0	8	20	192	13 24	79	113
29				131	135	140	148	151	145	150	167	181	181	146	119	102	98	98	97	96	108	137	132	117	121	131	150	133	1	8	20	208	16 09	89	119
30			✓	165	169	124	142	151	160	178	174	195	181	160	121	91	68	58	72	89	89	102	107	109	129	128	124	129	1	8	24	202	14 33	53	149
31			✓	149	164	159	151	160	172	202	209	221	225	184	140	110	89	87	84	90	99	109	114	116	119	142	168	144	1	9	24	248	15 25	78	170
MEANS ALL DAYS				142	144	143	141	142	152	169	184	191	189	171	144	122	106	97	97	105	112	121	129	132	135	140	141	140							121
MEANS TEN DAYS *				146	143	144	139	140	150	167	183	191	191	179	152	132	117	105	104	110	115	122	127	131	133	137	139	142							103
MEANS FIVE DAYS † (G. M. T.)				134	137	138	140	141	150	171	183 188	190 198	186	173	148	128	111	100	98	106	113	122	127	128	127	130	132	138							
MEANS FIVE DAYS ‡ (G. M. T.)				148	159	157	148	143	155	177	191	204	198	178	142	112	91	79	81	91	98	112	129	132	138	146	138	140							

DECEMBER 1940

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 186

HORIZONTAL INTENSITY

23977 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1940 — JANUARY 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				721	720	721	722	721	722	725	729	727	722	703	699	702	700	699	697	704	713	715	719	719	724	721	725	715	0	23 30	731	15 09	695	36
2				721	724	724	727	735	729	726	712	712	700	692	687	687	687	682	684	687	681	688	695	695	679	687	702	702	0	4 52	740	21 43	674	66
3			✓	707	712	714	714	713	711	705	712	715	713	702	692	691	693	688	683	678	663	659	664	663	668	679	699	693	2	23 37	756	18 53	654	102
4				625	617	645	638	653	662	659	649	642	643	634	630	643	653	652	650	655	663	668	681	678	681	691	685	654	1	22 52	733	0 10	572	161
5				687	688	692	692	692	689	688	687	691	690	687	677	682	700	702	697	692	690	694	699	700	702	703	702	693	0	14 30	712	12 04	667	45
6				701	702	705	702	703	701	695	697	705	704	703	700	688	684	691	693	700	699	698	704	693	696	688	698	698	1	19 27	709	13 16	681	28
7				718	702	709	705	700	698	685	680	671	678	689	691	704	709	701	697	697	704	704	701	712	702	721	698	699	1	0 31	730	8 49	670	60
8				702	709	712	717	715	717	709	705	694	680	677	685	699	704	715	717	712	712	711	709	711	708	710	713	706	0	15 20	722	9 54	675	47
9				712	709	708	710	712	713	714	709	704	702	700	701	711	717	719	719	719	714	715	710	709	702	712	712	711	1	24 00	727	10 40	696	31
10			✓	723	723	716	726	719	710	720	719	704	688	670	666	682	695	705	713	714	716	722	724	726	695	669	667	705	1	20 43	734	22 39	631	103
11			✓	667	678	662	662	661	667	671	661	654	657	661	669	666	679	693	698	692	695	687	690	702	712	707	700	679	1	21 47	720	3 21	637	83
12				696	703	725	718	712	707	692	691	682	679	668	657	665	671	668	690	695	696	688	696	712	711	694	708	693	1	2 02	744	11 32	652	92
13	✓			702	698	700	700	706	708	704	696	686	671	665	664	668	682	692	697	707	706	705	706	704	703	706	703	695	0	0 00	722	10 44	662	60
14	✓	✓		702	703	703	703	705	707	711	712	705	694	684	677	675	682	695	706	713	712	703	702	704	708	708	708	701	0	17 15	715	12 57	675	40
15	✓			706	706	707	708	711	710	717	718	709	704	698	698	699	704	705	709	710	708	706	702	697	702	705	707	706	0	6 57	721	10 54	696	25
16				711	713	715	718	720	732	734	738	726	712	703	701	701	708	723	725	735	726	711	723	722	716	716	714	718	0	16 35	740	12 22	696	44
17				717	732	731	723	715	718	718	711	708	696	682	678	687	686	700	697	707	723	717	720	717	707	670	689	706	1	1 44	740	22 37	665	75
18			✓	704	703	693	698	698	697	698	688	693	693	689	684	686	697	693	698	700	712	725	721	713	713	724	702	701	1	21 57	741	11 40	683	58
19				689	689	693	666	657	653	644	637	634	634	645	659	665	661	655	657	663	673	672	674	679	680	684	688	665	1	2 16	710	8 34	630	80
20	✓			686	691	689	687	686	686	689	688	692	695	702	710	714	716	708	697	702	702	701	699	698	695	697	695	697	0	13 44	718	2 28	682	36
21	✓	✓		696	703	712	705	696	697	698	693	692	686	680	677	672	667	670	685	697	702	702	700	699	700	703	710	693	0	2 04	717	13 44	666	51
22				705	707	704	700	699	700	697	690	681	680	689	703	710	702	700	706	719	717	719	715	703	700	705	710	703	0	17 06	723	8 50	679	44
23	✓			717	713	724	718	714	717	717	712	705	703	708	718	726	723	721	717	717	718	721	727	725	729	718	718	718	0	2 42	735	9 54	701	34
24				718	718	723	725	727	717	712	706	702	702	697	695	697	702	692	695	713	720	705	700	695	692	692	704	706	0	4 23	731	21 32	689	42
25				696	692	695	713	721	706	701	694	681	669	655	647	666	679	689	680	687	696	694	696	703	693	692	688	689	0	4 14	733	11 21	641	92
26	✓	✓		704	701	697	698	703	704	704	700	694	688	684	685	688	698	706	707	706	707	708	708	707	707	708	709	701	0	0 45	715	11 27	680	35
27	✓	✓		709	709	710	713	712	715	716	723	719	711	704	700	698	694	701	713	720	716	712	713	711	711	715	715	711	0	7 40	726	13 21	693	33
28	✓	✓		714	717	719	720	720	720	722	718	714	708	701	699	715	725	724	724	721	720	722	722	721	719	719	718	718	0	14 26	725	11 03	694	31
29	✓			718	717	719	719	719	718	718	716	707	693	676	666	668	675	686	699	712	714	706	697	694	684	687	688	700	0	3 14	724	11 53	664	60
30				688	691	697	706	714	719	720	717	703	698	701	703	711	721	733	731	722	705	708	697	679	700	713	710	708	1	15 02	742	20 09	673	69
31			✓	722	718	719	722	731	730	730	733	719	716	702	704	702	717	713	727	719	725	698	715	706	675	680	699	713	1	7 02	742	21 32	663	79
MEANS ALL DAYS				703	703	706	706	706	706	704	701	696	691	686	685	689	695	697	700	704	705	703	704	703	701	701	703	700						59
MEANS TEN DAYS ✲				705	706	708	707	707	708	710	708	702	695	690	689	692	697	701	705	710	710	709	708	706	706	707	707	704						40
MEANS FIVE DAYS † (G. M. T.)				710	711	712	712	712	713	714	709 713	705 706	697	691	688	690	693	699	707	711	711	709	709	708	709	711	712	706						
MEANS FIVE DAYS ‡ (G. M. T.)				681	679	689	680	680	679	675	668	697	693	685	683	685	696	698	704	701	702	698	703	702	693	692	693	690						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

[ ] = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 187

HORIZONTAL INTENSITY

23977 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1940 — FEBRUARY 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	730	709	721	717	715	707	707	704	711	704	709	691	688	688	681	689	682	695	690	692	695	714	718	716	703	1	0 35	749	14 20	662	87
2			✓	702	716	707	705	693	690	683	690	690	695	697	695	691	687	690	692	695	694	703	702	697	694	708	708	697	0	1 10	722	6 49	680	42
3			✓	700	705	721	719	710	707	710	713	708	709	712	705	699	695	694	696	708	701	690	694	704	710	699	691	704	1	2 42	732	18 27	686	46
4	✓			696	717	699	700	702	702	700	699	693	687	687	690	690	684	687	697	708	711	710	708	706	706	708	707	700	0	1 27	728	13 59	683	45
5	✓			726	703	704	708	713	713	713	704	699	699	701	707	712	713	712	711	710	715	712	716	715	714	722	720	711	0	22 50	736	8 26	697	39
6				715	715	714	720	718	715	710	707	692	681	674	679	691	704	707	708	703	710	710	720	726	719	709	715	707	1	21 37	731	10 47	673	58
7				722	717	725	716	715	710	709	703	688	675	676	690	705	709	714	713	714	711	710	703	702	712	721	707	707	0	2 22	737	9 48	667	70
8				703	706	709	710	712	710	710	710	699	686	688	692	691	693	700	699	692	701	706	711	712	713	712	714	703	0	23 40	723	9 19	683	40
9				712	709	709	712	728	714	716	704	692	681	680	693	699	695	691	689	699	698	701	701	703	703	703	701	701	0	4 12	732	10 09	674	58
10	✓			704	705	707	709	712	713	717	710	703	693	682	672	675	684	690	697	698	701	702	707	711	714	714	714	701	0	6 24	718	11 45	670	48
11				714	723	724	721	719	719	719	717	708	699	700	705	707	708	708	710	711	705	697	703	709	713	707	707	711	0	1 06	729	18 34	693	36
12			✓	709	708	714	729	730	726	729	738	729	710	699	699	705	714	716	710	705	703	700	706	711	697	700	700	712	1	7 52	746	22 02	681	65
13				714	711	710	713	720	719	718	715	709	704	704	705	701	700	702	714	720	720	716	718	718	710	712	713	712	0	16 54	729	0 02	695	34
14	✓	✓		717	718	715	715	713	718	715	713	702	709	709	707	705	703	707	714	711	706	697	699	707	717	712	711	710	0	4 55	725	18 29	692	33
15	✓			712	712	712	714	714	717	717	717	715	711	709	706	698	698	704	710	712	703	706	708	716	715	705	712	710	0	20 36	720	12 45	694	26
16				713	718	718	719	719	720	723	725	719	711	709	706	695	691	699	708	715	718	713	712	715	713	715	715	713	0	7 45	726	13 36	689	37
17	✓	✓		720	716	713	717	718	718	715	718	712	704	696	691	691	700	713	718	716	721	718	713	713	716	718	718	712	0	17 37	725	12 10	686	39
18	✓	✓		717	726	716	715	716	718	720	726	726	724	719	715	707	710	711	711	715	720	720	720	720	722	723	721	718	0	1 18	732	12 41	706	26
19	✓	✓		721	722	722	723	721	724	728	732	727	724	723	716	714	721	724	727	732	733	731	729	727	728	727	728	725	0	17 05	735	11 45	712	23
20				730	728	728	728	730	735	737	736	732	716	704	714	711	703	696	698	712	714	716	719	710	706	703	701	717	1	7 50	740	14 55	687	53
21				703	706	709	717	724	713	715	716	706	714	714	701	707	707	698	695	699	690	678	673	667	685	691	694	701	1	4 43	731	19 38	664	67
22				700	692	694	697	703	704	705	702	697	689	682	682	683	699	703	691	688	687	685	679	676	685	686	687	692	0	0 23	712	19 59	672	40
23				695	689	696	694	704	701	701	699	699	701	702	694	686	690	694	693	690	695	694	691	688	691	689	694	695	0	4 11	707	12 59	682	25
24				699	701	703	713	714	709	711	701	684	678	677	679	683	683	684	684	679	674	661	676	683	682	681	678	688	0	3 24	716	18 32	659	57
25			✓	679	685	691	694	698	699	717	720	713	701	696	686	686	700	701	674	681	668	645	655	667	676	677	672	687	1	7 44	724	18 11	640	84
26				693	685	678	680	680	682	687	688	683	688	690	695	694	693	695	701	704	695	695	698	703	702	700	699	692	0	16 21	715	2 03	655	60
27	✓	✓		713	709	713	716	716	704	704	707	704	701	698	690	678	690	704	705	702	703	705	710	711	711	713	712	705	0	4 08	721	12 39	674	47
28	✓			712	712	713	713	714	716	718	720	717	715	709	705	706	706	705	708	715	718	715	718	720	719	717	715	714	0	20 55	723	11 20	703	20
29				714	717	722	719	722	722	728	726	727	719	713	707	709	711	704	717	716	719	716	714	710	701	704	716	716	0	24 00	736	21 21	693	43
30																																		
31																																		
MEANS ALL DAYS				710	710	711	712	714	712	713	712	706	701	699	697	697	699	701	703	705	704	701	703	705	706	707	706	706						46
MEANS TEN DAYS ✱				714	714	711	713	714	714	715	715	710	707	703	700	698	701	706	710	712	713	712	713	715	716	716	716	711						35
MEANS FIVE DAYS † (G. M. T.)				718	720	718	719	719	722	724	719 726	714 723	712	709	704	699	705	712	715	715	717	714	714	716	719	719	718	715						
MEANS FIVE DAYS ‡ (G. M. T.)				701	707	703	703	701	700	700	701	710	704	703	695	694	697	696	692	694	692	686	690	695	698	700	697	698						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 188

HORIZONTAL INTENSITY

23977 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1940 — MARCH 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				730	711	713	712	713	716	716	719	718	718	718	719	723	716	713	715	712	714	715	713	712	715	716	716	716	0	0 26	736	14 26	708	28
2	✓			715	723	721	719	721	721	722	721	717	719	720	717	712	710	712	712	715	717	717	717	717	720	722	723	718	0	23 03	723	15 19	705	18
3				729	725	725	722	722	722	724	724	719	714	714	711	708	706	711	713	719	716	714	719	720	722	721	724	718	0	23 43	732	13 23	702	30
4	✓			724	723	721	720	720	721	720	720	712	701	699	702	706	708	703	702	706	713	719	724	724	721	716	721	714	0	1 11	727	10 03	697	30
5	✓			722	724	725	725	726	726	723	716	708	708	711	713	714	713	708	708	712	713	711	712	714	719	716	721	716	0	4 42	727	14 55	706	21
6	✓	✓		720	721	722	723	724	724	725	725	722	725	731	729	727	727	725	723	727	727	727	730	729	729	730	729	726	0	10 35	732	0 20	719	13
7	✓	✓		727	729	727	733	737	735	732	731	728	729	730	720	711	713	720	718	716	718	718	719	718	720	721	725	724	0	4 12	740	12 56	705	35
8				726	725	726	726	727	726	729	730	730	728	733	732	733	732	725	717	710	709	710	707	712	712	713	712	722	0	12 56	735	19 52	705	30
9				710	708	707	712	720	720	712	713	701	694	696	686	674	676	669	665	662	664	660	662	664	663	666	673	687	1	5 31	726	18 30	656	70
10	✓			681	685	688	691	694	691	691	690	692	694	699	702	694	689	691	690	689	692	694	698	699	702	702	702	693	0	21 59	710	0 14	675	35
11	✓	✓		702	705	705	707	709	707	710	712	711	713	715	713	707	701	700	699	702	706	708	711	709	706	703	704	707	0	10 40	717	15 50	699	18
12				708	710	713	717	719	721	722	724	723	721	720	717	712	711	712	716	719	726	730	729	730	727	722	725	720	1	23 59	741	0 00	705	36
13				722	707	703	705	700	699	690	696	694	686	671	674	678	673	672	679	681	676	678	689	696	700	699	701	690	0	0 00	742	14 47	666	76
14				704	701	701	704	704	707	709	708	707	708	707	701	687	680	683	680	680	680	690	696	700	701	703	702	698	0	0 07	714	17 10	671	43
15	✓	✓		701	710	713	709	713	711	712	720	723	734	739	737	727	719	713	711	708	708	712	714	714	714	713	714	716	0	10 23	740	0 17	701	39
16				714	716	717	718	719	720	722	725	726	724	722	716	706	696	696	702	707	711	711	710	712	714	713	716	714	0	8 05	727	14 28	693	34
17	✓			716	710	714	723	711	706	716	721	728	726	722	715	707	703	706	707	704	704	705	710	713	716	716	717	713	0	2 50	729	17 13	701	28
18	✓	✓		716	718	719	718	720	721	722	725	722	719	715	709	705	705	713	723	725	723	724	725	726	726	726	725	720	0	21 40	727	13 03	702	25
19				724	725	725	728	729	732	736	740	739	737	736	728	721	721	719	724	709	687	689	709	719	714	693	670	719	1	7 43	742	23 42	661	81
20				663	685	694	701	698	700	708	707	711	718	713	701	698	696	694	682	682	675	657	642	660	673	680	687	689	1	9 31	721	19 41	636	85
21				687	693	707	709	721	697	700	695	695	705	717	734	728	689	690	689	693	695	702	705	707	709	707	702	703	1	11 27	751	0 50	685	66
22				704	706	707	715	717	713	712	710	700	696	699	703	706	704	702	702	704	709	709	709	710	709	709	710	707	0	3 54	720	9 29	692	28
23				714	716	717	718	738	717	713	714	712	704	700	699	699	704	722	722	711	672	689	699	688	689	687	694	706	1	4 28	743	17 37	653	90
24			✓	695	702	701	703	699	717	703	679	684	666	659	643	626	630	645	647	665	676	667	694	694	708	800	743	685	2	22 24	856	12 44	616	240
25				654	481	355	428	470	459	492	475	431	△															△	2	△				△
26				581	585	587	590	613	607	619	579	568	571	542	543	549	554	558	580	598	611	616	618	620	620	622	630	590	1	4 16	640	10 29	528	112
27				632	635	646	656	656	651	647	642	618	581	579	593	605	616	633	634	641	651	656	660	657	654	654	651	635	1	20 15	668	10 05	558	110
28				661	663	657	659	661	655	659	657	641	621	614	617	613	631	644	649	663	664	661	657	661	681	671	669	651	1	21 36	693	10 11	600	93
29			✓	666	662	669	668	668	671	666	665	664	662	658	653	651	660	665	663	671	653	640	631	665	641	612	610	656	2	20 31	686	23 16	602	84
30			✓	643	592	529	541	554	564	547	562	605	493	444	488	418	424	509	558	535	496	516	526	513	566	563	568	531	2	0 08	690	12 37	371	319
31			✓	595	586	601	585	594	614	591	613	568	565	609	602	590	591	608	614	619	621	600	593	550	553	545	559	590	2	17 45	780	20 47	516	164
MEANS ALL DAYS a)				694	693	693	695	698	698	697	696	693	686	684	684	678	677	682	685	686	684	685	688	688	691	692	691	689						a) 69
MEANS TEN DAYS ✻				712	715	716	717	718	716	717	718	716	717	718	716	711	709	709	709	710	712	714	716	716	717	716	718	715						26
MEANS FIVE DAYS † (G. M. T.)				720	721	722	724	726	727	728	723 730	721 729	724	726	722	715	713	714	715	716	716	718	720	719	719	719	719	721						
MEANS FOUR DAYS ‡ (G. M. T.) b)				620	556	513	533	550	557	559	560	630	596	592	596	571	576	607	620	622	612	606	611	606	617	630	620	590						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Thirty days only, omitting incomplete day March 25 b) Omitting incomplete Greenwich day March 25

TABLE 189

HORIZONTAL INTENSITY

APRIL 1940 — 23976 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — APRIL 1940

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	586	566	568	577	583	592	607	592	590	602	587	564	601	604	609	628	618	618	592	613	628	635	642	632	601	1	23	59 649	0	55 542	107
2			✓	635	637	647	659	647	646	650	652	648	644	642	637	635	641	645	650	648	650	653	657	657	658	664	663	649	1	3	24 672	0	12 614	58
3			✓	674	677	692	683	698	675	681	665	653	611	534	536	550	536	538	545	572	598	620	627	630	631	655	675	623	2	4	12 721	10	28 498	223
4				670	665	661	672	659	665	666	660	651	645	647	650	652	653	655	652	641	639	653	654	666	671	684	653	658	1	4	02 724	17	14 632	92
5				674	676	687	683	680	681	683	689	700	702	706	705	696	691	682	679	679	□			□	681	681	680		0	10	49 710	0	56 668	42
6				680	683	688	687	687	689	691	697	689	689	692	693	676	665	671	669	671	669	667	673	678	681	684	685	681	0	7	47 698	13	27 662	36
7	✓	✓		685	687	692	695	691	692	695	698	698	693	687	685	680	677	679	684	691	694	694	695	695	694	694	695	690	0	3	17 701	13	21 676	25
8	✓	✓		695	694	696	696	698	697	696	696	692	686	683	687	691	692	696	694	699	697	697	700	698	698	696	698	695	0	19	40 700	10	27 682	18
9	✓	✓		695	700	698	697	699	701	700	698	686	681	686	696	701	702	705	706	704	700	700	700	702	700	695	693	698	0	15	36 707	9	39 680	27
10	✓	✓		692	693	695	698	699	699	699	695	693	693	698	715	715	710	705	705	705	704	704	705	705	704	705	704	702	0	12	01 718	0	30 691	27
11	✓			705	706	707	708	707	708	708	705	703	700	694	694	699	701	703	705	711	714	710	706	709	704	709	711	705	0	17	01 715	10	52 693	22
12	✓	✓		712	707	708	709	711	712	710	713	709	703	698	704	705	704	702	707	706	707	709	710	707	705	705	707	707	0	0	22 717	14	08 695	22
13				709	709	710	711	711	711	716	718	711	705	694	682	675	678	691	701	704	711	706	692	686	673	668	686	698	0	7	17 719	22	08 661	58
14				688	691	694	696	700	701	701	705	702	691	681	676	677	673	674	673	678	667	662	665	677	683	690	693	685	0	7	44 706	18	40 659	47
15				688	690	690	692	695	698	700	699	697	694	691	689	693	688	682	678	678	674	682	695	691	690	695	716	691	1	23	10 722	17	37 669	53
16				697	693	697	709	701	698	696	688	679	678	677	682	667	663	666	659	668	678	680	685	688	698	695	695	685	0	3	01 720	15	32 655	65
17				693	695	691	690	693	697	694	698	698	690	682	669	677	677	662	665	671	678	683	687	687	686	687	684	685	0	8	22 698	14	45 660	38
18	✓			685	687	690	693	695	693	697	702	702	704	699	694	690	684	675	676	681	689	691	693	694	694	696	698	692	0	9	21 705	14	49 671	34
19	✓			699	701	703	702	704	709	713	721	722	714	704	696	693	695	692	695	695	693	698	698	695	688	690	691	700	0	7	41 724	21	09 688	36
20				693	695	696	700	705	706	708	709	712	708	699	698	695	701	703	695	703	709	712	711	713	716	707	706	704	0	21	08 721	15	33 684	37
21				712	725	714	710	709	716	715	718	733	733	728	727	721	710	710	710	715	718	717	715	710	707	705	705	716	1	9	31 741	16	01 704	37
22				707	708	709	709	715	711	705	705	706	695	683	666	662	655	651	642	645	662	664	656	659	671	678	674	681	1	4	24 718	16	14 630	88
23	✓			692	690	689	689	691	695	696	703	708	695	690	686	687	687	685	687	691	697	698	699	694	692	697	698	693	0	8	36 709	0	00 681	28
24	✓			699	700	701	699	702	705	698	695	694	694	693	685	678	676	675	684	691	693	698	701	701	698	689	688	693	0	5	06 706	14	04 673	33
25			✓	687	692	695	697	700	700	705	710	713	714	722	620	589	655	671	666	665	669	674	679	678	675	674	674	680	1	10	24 734	12	20 567	167
26			✓	670	675	680	689	677	660	671	646	619	633	625	632	636	631	618	608	609	619	625	627	623	623	630	638	640	1	6	03 698	16	12 602	96
27				643	659	664	663	671	674	675	668	677	672	672	661	656	646	638	643	644	649	646	649	659	672	669	667	660	0	21	51 688	14	30 636	52
28				670	685	680	679	682	683	683	687	690	682	685	685	685	677	674	677	682	685	689	696	693	690	696	686	684	0	22	34 709	0	04 669	40
29				681	685	688	688	689	692	698	699	695	692	692	688	674	668	665	667	674	682	686	681	679	679	684	684	684	0	7	14 701	14	34 662	39
30				687	690	691	695	697	700	702	707	708	705	699	695	695	693	691	692	695	692	687	683	693	698	702	703	696	0	8	10 710	19	39 677	33
31																																		
MEANS ALL DAYS a)				684	686	687	689	690	691	692	691	689	684	678	672	671	670	670	671	674	678	679	681	683	683	686	686	682						58
MEANS TEN DAYS *				696	696	698	699	700	701	701	703	701	696	693	694	694	693	692	694	697	699	700	701	700	698	698	698	698						27
MEANS FIVE DAYS † (G. M. T.)				699	700	701	702	703	703	704	700 702	696 697	691	690	697	698	697	697	699	701	700	701	702	701	700	699	699	699						
MEANS FIVE DAYS ‡ (G. M. T.)				658	663	669	673	670	664	669	658	645	641	622	598	602	613	616	619	622	631	633	641	643	644	653	656	642						

a) Twenty-nine days only, omitting incomplete day April 5

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 190

HORIZONTAL INTENSITY

23976 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1940 — MAY 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			699	699	702	699	701	701	699	705	715	714	702	688	686	680	675	667	675	680	683	688	687	684	682	691	692	0	9 01	718	15 42	666	52
2	✓			696	700	709	699	706	702	701	706	711	717	708	700	692	677	675	676	684	689	690	690	690	691	692	695	696	0	2 07	722	15 02	674	48
3	✓	✓		708	703	697	698	699	700	702	705	708	706	702	691	685	678	676	668	675	688	689	682	681	684	689	694	692	0	0 17	712	15 31	665	47
4	✓	✓		697	700	702	704	707	706	711	716	719	718	712	697	694	687	682	685	693	701	706	706	704	703	703	703	702	0	8 32	719	14 51	678	41
5	✓			704	703	708	709	709	710	712	720	723	723	717	717	717	711	706	700	694	693	701	709	708	709	708	708	709	0	9 26	725	17 40	690	35
6	✓	✓		708	709	712	714	711	710	712	719	724	725	720	714	709	704	697	698	704	712	714	714	713	711	711	713	712	0	9 12	726	14 56	695	31
7	✓			713	715	716	719	719	720	721	724	727	732	732	729	725	711	696	684	679	686	691	693	694	697	701	700	709	0	9 51	733	16 02	677	56
8	✓			702	702	701	707	707	707	708	712	715	713	707	702	702	698	696	700	707	713	714	716	716	712	707	703	707	0	20 10	717	14 07	693	24
9				706	709	711	712	712	714	717	724	727	727	725	709	686	680	681	688	691	697	702	703	694	678	673	686	702	0	9 00	728	22 37	671	57
10				691	694	695	697	707	709	713	719	723	728	725	723	719	698	682	683	689	696	696	695	693	691	696	695	702	1	9 33	729	14 49	680	49
11				702	720	708	708	698	699	706	707	705	699	688	682	691	688	678	677	681	693	684	679	675	700	698	695	694	1	1 30	727	20 24	671	56
12				694	698	699	698	704	706	706	710	708	707	704	693	684	681	663	669	678	678	676	694	694	689	697	705	693	1	23 57	716	14 37	652	64
13				704	699	696	702	704	704	705	708	715	710	710	705	699	691	689	691	692	695	695	693	693	693	690	698	699	0	7 56	718	14 01	686	32
14				701	699	703	703	701	717	715	713	712	715	712	708	698	688	674	677	679	684	693	691	684	683	696	708	698	0	5 42	720	14 50	669	51
15				704	699	698	698	698	698	701	708	717	717	714	691	684	678	672	669	664	665	666	665	670	682	694	707	690	1	9 02	720	17 22	660	60
16				691	694	694	713	710	700	703	711	719	711	708	701	691	679	677	683	694	698	696	695	693	694	693	695	698	0	3 42	724	14 09	675	49
17				697	700	701	703	707	708	713	718	722	723	717	704	694	678	681	689	691	703	702	692	693	698	698	699	701	0	9 16	724	14 12	676	48
18			✓	702	699	702	706	707	704	703	710	707	692	691	677	672	658	642	650	616	628	630	617	598	611	652	656	668	1	8 00	712	20 54	584	128
19				654	667	672	676	679	680	682	680	681	675	671	667	671	671	671	671	673	685	691	693	689	689	690	689	678	0	19 16	698	0 34	649	49
20				689	692	693	696	696	687	700	707	710	704	696	690	685	676	684	687	695	700	702	702	703	695	689	691	695	0	8 11	712	13 07	675	37
21				691	699	695	697	700	704	708	711	712	708	701	683	677	691	688	688	694	701	702	702	702	700	700	700	698	0	8 37	713	12 01	666	47
22			✓	701	705	707	707	711	713	710	713	718	707	685	672	660	643	620	646	661	649	649	667	672	680	679	675	681	1	8 35	719	14 42	604	115
23			✓	677	684	693	695	692	693	695	703	709	705	696	687	685	683	682	688	690	703	707	705	704	704	705	702	695	1	8 37	710	0 12	674	36
24			✓	704	706	721	708	713	721	720	724	731	735	737	713	649	652	676	681	660	621	598	609	608	613	636	643	678	1	8 52	740	20 21	579	61
25				650	656	672	681	671	679	689	684	683	685	673	675	679	673	671	672	682	693	694	692	689	688	686	684	679	0	18 52	695	0 40	641	54
26			✓	684	694	693	693	695	698	697	703	711	719	716	702	694	668	674	674	679	682	674	682	683	690	693	710	692	1	9 33	722	13 47	653	69
27				700	703	706	703	706	706	692	687	683	706	706	703	690	673	675	678	681	678	682	680	682	680	680	682	690	1	1 50	730	13 22	666	64
28				686	699	695	697	700	701	706	702	716	713	702	675	674	681	675	667	680	689	691	678	683	689	687	684	690	0	8 37	718	15 11	663	55
29				686	691	690	694	694	692	699	704	702	697	699	697	691	681	682	683	688	699	704	701	700	703	701	701	695	0	7 51	706	15 03	679	27
30	✓	✓		701	704	704	698	701	703	706	709	713	710	706	698	692	685	683	684	698	704	706	707	706	707	706	706	702	0	8 57	714	14 58	682	32
31	✓	✓		707	705	705	708	707	707	711	716	719	717	711	706	697	694	689	690	702	709	708	707	706	707	708	708	706	0	8 55	720	14 19	688	32
MEANS ALL DAYS				695	698	700	701	702	703	705	709	712	712	706	697	689	682	678	680	683	687	688	689	687	689	692	694	695						55
MEANS TEN DAYS ✲				704	704	706	706	707	707	708	713	717	718	712	704	700	692	688	685	691	698	700	701	700	700	701	702	703						40
MEANS FIVE DAYS † (G. M. T.)				706	706	708	710	710	711	714	713 719	717 722	715	710	701	695	690	685	685	694	703	705	703	702	702	703	705	704						
MEANS FIVE DAYS ‡ (G. M. T.)				677	683	693	693	692	696	696	696	715	712	705	690	672	661	659	668	661	657	652	656	653	660	673	677	679						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 191

HORIZONTAL INTENSITY

23976 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1940 — JUNE 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		708	708	709	709	710	712	715	717	721	719	711	706	699	691	692	700	706	716	716	715	713	709	710	713	709	0	8 40	722	13 42	689	33
2				714	715	714	713	713	718	719	721	724	724	713	700	692	686	684	695	702	704	702	698	693	683	690	683	704	0	8 59	727	23 51	677	50
3	✓			682	692	695	696	697	698	702	707	710	712	710	706	700	693	691	701	708	710	709	701	695	692	698	701	700	0	9 32	713	0 00	678	35
4	✓	✓		704	703	706	709	711	711	714	715	717	714	709	700	692	692	692	700	708	713	716	716	716	717	717	717	709	0	8 38	719	12 29	691	28
5				715	715	715	715	716	722	723	727	730	728	725	724	721	710	699	703	711	708	713	713	716	711	710	713	716	0	8 32	731	14 32	697	34
6			✓	712	712	713	713	716	721	714	713	708	716	717	697	661	650	640	642	634	634	638	640	653	670	666	661	681	1	5 20	726	16 50	630	96
7			✓	671	686	680	682	678	662	683	688	687	682	663	661	657	659	674	674	672	661	665	677	680	686	680	683	675	1	7 39	694	13 02	641	53
8				686	681	684	687	690	694	701	696	691	697	707	703	690	677	676	674	679	693	693	694	691	687	681	683	689	1	10 52	712	15 59	672	40
9				697	693	693	694	700	696	693	701	711	713	710	702	675	682	686	689	683	678	671	679	691	691	686	688	692	0	9 26	714	17 52	666	48
10	✓			695	695	698	703	698	692	693	701	702	704	710	713	706	703	689	685	694	700	702	704	704	702	701	702	700	0	11 36	715	15 38	677	38
11	✓	✓		702	703	704	704	706	705	707	710	719	720	722	719	713	705	701	699	699	705	706	705	704	703	703	701	707	0	9 12	722	15 35	698	24
12	✓			705	705	705	707	708	708	709	716	723	727	727	720	708	699	699	704	706	708	709	711	711	714	713	712	711	0	10 31	729	13 39	697	32
13	✓			714	715	717	718	716	720	720	720	720	720	714	713	714	714	710	709	713	717	718	718	716	716	716	716	716	0	6 10	722	14 52	708	14
14			✓	718	716	717	719	720	720	716	726	735	744	743	742	740	734	724	713	710	721	714	718	711	695	693	691	720	1	10 10	746	23 47	683	63
15			✓	700	732	723	719	685	695	701	710	685	681	670	660	642	626	640	635	650	654	665	641	654	659	658	668	673	1	1 52	760	13 39	620	140
16				670	672	677	677	674	682	688	695	701	692	689	695	690	677	676	680	665	671	670	678	679	684	682	686	681	1	8 40	705	16 31	657	48
17				689	689	691	695	692	688	696	706	710	713	702	682	683	681	664	661	673	687	690	684	687	683	674	689	688	0	9 29	714	14 52	659	55
18				693	691	700	691	695	701	701	704	708	714	711	685	668	668	648	663	665	672	681	687	687	684	681	684	687	0	9 52	718	14 31	636	82
19				685	693	695	697	698	701	703	708	715	719	713	704	698	674	677	685	683	692	716	697	689	697	696	691	697	0	9 24	720	13 40	669	51
20	✓	✓		693	692	695	698	701	701	700	704	714	724	718	708	697	699	697	696	700	706	707	705	704	705	708	707	703	0	9 05	729	1 16	689	40
21	✓	✓		704	704	704	707	709	712	713	718	724	724	717	704	701	695	687	689	699	707	709	708	706	707	707	707	707	0	9 04	725	14 47	684	41
22				707	708	709	710	712	712	713	715	720	724	722	716	709	701	694	694	701	711	714	726	727	723	713	706	712	0	18 52	735	14 53	693	42
23				705	707	709	711	713	717	718	721	713	713	722	722	718	710	704	704	706	709	709	712	710	707	706	706	711	0	10 48	724	9 01	701	23
24				706	711	710	711	714	711	712	717	718	712	714	713	691	677	693	695	686	698	705	705	694	683	681	679	702	1	7 55	720	13 18	675	45
25			✓	680	683	695	696	691	693	690	695	704	707	701	652	673	659	670	683	704	695	652	694	597	598	601	551	669	2	19 09	764	23 38	524	240
26				561	575	611	611	601	610	620	620	627	647	661	663	657	650	651	650	658	661	666	664	665	666	667	666	639	1	10 57	670	0 29	544	126
27				668	674	669	669	671	677	679	677	683	681	672	670	673	668	665	665	669	674	676	679	674	674	673	679	673	0	1 28	696	1 21	662	34
28	✓			684	681	682	683	684	687	688	693	693	688	687	679	673	667	664	669	677	681	683	688	689	690	691	692	683	0	7 54	696	14 24	663	33
29				691	689	697	694	695	697	700	705	712	714	708	697	689	682	684	692	699	704	702	700	700	697	695	695	697	0	9 21	715	13 31	680	35
30				697	699	706	703	706	714	717	718	717	703	685	697	698	698	692	689	691	699	698	697	696	693	687	680	699	0	7 55	719	10 20	676	43
31																																		
MEANS ALL DAYS				692	695	697	698	697	699	702	705	708	709	706	698	691	684	682	685	688	693	694	695	692	691	689	688	695						56
MEANS TEN DAYS ✲				699	700	702	703	704	705	706	710	714	715	712	707	700	696	692	695	701	706	708	707	706	706	706	707	704						32
MEANS FIVE DAYS † (G. M. T.)				709	709	709	710	712	714	715	713 719	719 724	720	715	707	700	696	694	697	702	709	711	710	709	708	709	709	709						
MEANS FIVE DAYS ‡ (G. M. T.)				658	669	675	675	666	669	679	682	704	706	699	682	675	666	670	669	674	673	667	674	659	662	660	651	673						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 192

HORIZONTAL INTENSITY

23976 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1940 — JULY 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1				681	684	697	690	695	696	695	696	700	700	695	701	693	686	686	691	697	703	704	703	698	700	698	698	695	0	2	27	710	0	33	678	32
2	✓	✓		699	699	700	702	701	703	705	708	711	711	712	706	699	694	689	692	702	706	709	706	704	704	704	705	703	0	10	50	712	14	42	689	23
3				704	704	702	706	709	710	709	686	718	716	716	717	717	700	682	674	685	692	694	690	683	687	701	699	700	1	12	07	721	15	34	671	50
4			✓	699	699	706	705	710	710	702	690	700	700	697	694	671	674	669	676	678	682	679	687	689	683	681	685	690	1	2	47	717	14	27	664	53
5				699	688	704	701	699	697	691	689	710	713	712	702	693	687	671	679	683	691	693	688	685	695	692	687	694	1	9	55	715	14	16	665	50
6				690	694	703	705	704	703	709	711	711	711	708	699	697	682	683	692	697	701	703	700	689	697	697	698	699	0	7	52	714	13	49	678	36
7	✓			699	698	699	699	699	699	702	702	703	706	705	704	702	693	689	688	694	697	697	699	699	699	699	694	699	0	10	03	708	15	45	687	21
8	✓			693	692	695	695	694	696	698	700	704	706	699	696	692	690	690	684	690	698	701	701	700	698	698	698	696	0	9	40	707	15	50	683	24
9				699	698	699	700	705	709	714	724	718	723	722	711	711	701	701	701	697	711	711	706	705	708	703	705	708	1	7	53	728	16	06	695	33
10			✓	709	711	713	709	710	713	705	712	716	715	716	701	696	677	676	682	673	668	660	656	674	706	686	687	695	1	21	07	728	19	01	649	79
11				692	694	697	694	693	694	694	703	706	689	688	692	668	679	682	687	688	692	699	696	693	695	697	697	692	0	8	09	710	12	32	664	46
12	✓			698	698	696	697	701	703	701	704	709	708	701	700	695	690	693	694	699	705	704	706	703	704	704	704	701	0	8	47	711	13	08	686	25
13			✓	704	704	704	704	705	704	705	705	705	701	697	689	686	687	681	681	698	700	687	688	640	627	601	630	685	1	17	33	709	22	38	585	124
14			✓	627	644	659	653	653	660	663	667	667	669	678	658	661	666	655	671	669	671	669	669	658	655	664	669	661	1	10	14	682	0	33	616	66
15				668	674	679	682	685	687	682	689	695	684	667	667	667	674	675	666	680	687	686	689	688	688	689	686	681	1	9	01	699	12	31	661	38
16				683	688	689	688	689	688	691	701	702	697	690	682	679	684	688	693	692	695	701	700	700	696	699	700	692	0	7	40	704	12	05	666	38
17	✓	✓		699	696	696	697	698	701	704	710	712	707	700	695	691	687	681	681	683	690	697	699	699	700	700	702	697	0	8	33	713	14	34	679	34
18	✓	✓		697	697	698	699	700	702	704	702	711	713	711	708	705	702	697	695	700	706	706	704	701	701	699	700	702	0	9	11	714	15	35	695	19
19	✓			700	700	702	704	706	706	708	715	720	721	715	709	709	707	703	700	701	709	711	711	709	708	705	704	708	0	9	12	723	16	10	698	25
20	✓	✓		706	706	709	711	711	720	720	717	721	730	733	732	727	715	711	704	701	706	710	710	709	709	710	709	714	0	10	24	735	16	41	699	36
21				713	713	713	715	715	713	716	719	719	721	721	723	721	717	712	708	702	689	689	682	690	692	693	694	708	0	11	54	725	19	30	677	48
22				702	702	697	702	705	722	719	721	726	730	729	719	702	688	662	636	668	669	677	677	680	675	674	676	694	1	9	19	732	15	26	624	108
23				683	694	700	699	704	703	702	704	706	714	719	716	705	692	686	686	686	689	700	702	693	693	696	696	699	0	10	52	720	15	01	683	37
24				700	700	701	701	701	706	709	706	708	710	702	699	671	677	681	688	693	689	705	709	707	705	704	704	699	0	8	43	713	13	04	658	45
25				703	700	703	705	705	705	708	707	702	695	689	684	682	673	667	670	675	687	703	705	703	703	702	704	695	0	7	18	710	14	10	662	48
26	✓			704	702	705	706	708	710	712	715	712	717	713	703	698	696	694	695	696	705	707	705	706	707	705	703	705	0	9	26	718	14	22	692	26
27	✓	✓		707	706	707	707	710	711	712	716	717	717	717	711	710	710	707	706	707	713	714	713	711	710	710	710	711	0	9	48	718	0	00	701	17
28				713	716	716	718	719	724	725	731	737	742	736	726	716	712	708	704	704	707	702	702	704	701	704	703	715	0	9	30	744	19	06	698	46
29				705	709	709	712	712	713	714	718	725	725	717	715	714	717	708	708	709	711	710	705	702	708	712	712	712	0	8	58	728	20	21	702	26
30			✓	714	714	713	716	730	721	725	730	733	731	735	734	713	713	713	710	713	699	693	698	693	693	695	712	714	1	11	17	741	21	49	689	52
31				704	708	710	718	720	714	708	707	713	701	683	689	695	684	668	688	690	681	695	693	683	693	700	706	698	1	4	27	724	14	41	658	66
MEANS ALL DAYS				697	698	701	701	703	705	705	707	711	710	707	703	696	692	687	688	692	695	697	697	694	695	694	696	699								44
MEANS TEN DAYS ✱				700	699	701	702	703	705	707	709	712	714	711	706	703	698	695	694	697	704	706	705	704	704	703	703	704								25
MEANS FIVE DAYS (G. M. T.) †				705	706	706	708	710	711	712	711 711	714 721	716	715	710	706	702	697	696	699	704	707	706	705	705	705	705	707								
MEANS FIVE DAYS (G. M. T.) ‡				678	682	690	690	690	690	688	691	704	703	705	695	685	683	679	684	686	684	678	680	671	673	665	677	685								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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⊼ = NO RECORD

TABLE 193

HORIZONTAL INTENSITY

23976 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1940

AUGUST 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				703	703	700	706	704	707	707	710	709	695	669	687	700	699	699	695	698	705	708	708	705	702	701	701	701	0	8	54	712	10 12	661	51
2				701	699	699	704	701	701	699	706	708	709	712	707	701	698	687	689	698	700	705	705	704	699	698	701	701	0	10	32	712	14 50	684	28
3			✓	707	706	710	750	725	725	725	727	729	731	729	724	721	703	683	663	661	672	652	649	634	628	629	667	694	1	3	25	762	21 32	619	143
4				668	696	681	682	686	678	681	686	694	699	699	696	692	687	677	672	673	687	696	699	696	693	695	695	688	0	1	13	713	0 32	663	50
5				693	696	696	695	699	704	708	715	720	716	709	704	694	685	686	686	688	691	693	698	691	693	695	698	698	0	8	12	721	13 00	683	38
6			✓	698	702	704	706	709	708	712	715	715	715	714	706	689	690	685	683	675	684	677	682	686	687	686	695	697	1	7	50	717	18 44	666	51
7				696	698	699	699	708	709	708	710	714	711	707	702	695	690	677	673	684	679	682	680	672	671	679	678	693	1	7	46	716	20 51	663	53
8				688	695	699	695	698	700	703	709	709	702	696	697	694	688	672	656	668	672	687	685	696	696	692	691	691	0	8	17	712	15 37	652	60
9			✓	695	697	698	696	695	694	699	708	707	712	714	709	694	677	668	667	677	658	647	651	633	633	652	666	681	1	9	55	715	20 31	629	86
10				669	669	682	675	694	678	671	669	678	682	680	677	680	679	679	681	681	684	688	692	684	688	692	690	681	0	4	27	702	1 30	662	40
11			✓	694	699	694	694	698	697	702	712	721	724	710	702	692	692	689	695	686	681	687	692	695	692	685	690	697	1	9	07	726	17 24	676	50
12				696	693	696	704	700	694	696	699	709	716	715	706	696	686	686	686	686	683	677	675	671	675	680	688	692	0	9	58	719	20 59	666	53
13	✓			695	694	693	692	692	694	696	702	709	717	715	711	708	695	685	682	682	687	692	694	696	693	694	693	696	0	9	28	718	16 08	681	37
14				694	697	701	702	704	706	710	718	723	723	723	711	690	681	689	696	691	683	687	693	694	693	692	696	700	0	8	57	724	13 07	677	47
15	✓	✓		697	700	704	703	703	706	708	708	711	716	715	712	698	686	682	686	696	703	708	708	708	709	711	711	704	0	9	36	717	14 23	675	42
16	✓	✓		710	711	711	713	715	717	723	732	740	745	743	737	726	712	696	686	693	705	711	712	712	711	711	711	716	0	9	34	746	15 31	684	62
17	✓	✓		712	713	714	715	716	718	719	727	729	729	723	719	709	698	692	693	701	710	715	717	716	716	716	716	714	0	9	11	730	15 09	691	39
18				715	717	718	719	719	726	732	738	745	746	746	740	727	711	697	695	700	704	702	699	699	697	701	700	716	0	10	20	747	23 54	684	63
19				688	691	689	693	695	700	715	722	731	733	728	717	708	699	687	678	682	693	701	702	699	692	690	685	701	0	9	29	736	16 09	677	59
20				687	696	706	708	711	713	715	719	729	730	725	713	692	675	669	674	682	685	689	689	690	692	696	699	699	1	9	15	734	14 44	665	69
21	✓			700	708	711	706	705	708	713	720	723	733	733	725	713	713	704	697	695	699	700	695	697	703	696	695	708	0	10	05	736	20 04	692	44
22	✓			700	703	704	706	704	706	711	724	734	739	736	725	715	710	706	708	710	710	711	710	709	697	685	683	710	0	9	25	740	23 49	678	62
23	✓			682	694	698	703	705	711	717	724	731	735	733	732	727	720	708	698	698	702	708	707	706	704	706	705	711	0	9	30	736	0 25	677	59
24	✓	✓		705	704	711	712	714	716	717	724	734	737	733	725	716	702	690	689	694	703	708	709	708	709	710	711	712	0	9	20	737	14 45	687	50
25	✓			711	713	713	713	713	715	718	724	729	735	739	737	731	725	714	703	701	708	714	714	715	714	715	718	718	0	10	40	740	15 57	699	41
26			✓	716	715	717	721	725	726	734	741	745	745	742	733	721	711	709	713	719	717	715	719	714	707	701	699	721	1	9	18	749	22 32	696	53
27				710	715	716	723	713	712	723	735	728	714	708	704	700	674	682	679	683	695	701	703	704	706	706	703	706	1	7	00	739	13 28	667	72
28				699	702	708	710	711	713	716	720	721	720	715	691	691	692	686	689	691	701	707	711	708	707	711	713	706	0	9	45	724	16 06	676	48
29				713	710	711	715	717	717	719	720	725	719	720	715	706	695	688	692	696	699	703	700	701	717	711	708	709	0	21	38	736	14 29	685	51
30	✓	✓		708	710	712	714	714	712	711	714	710	708	707	708	705	701	695	692	696	707	714	715	716	717	716	715	709	0	21	48	717	15 21	691	26
31				712	717	719	718	722	725	725	724	727	731	728	718	709	708	704	697	702	709	711	710	708	705	708	715	715	0	9	39	731	15 41	694	37
MEANS ALL DAYS				699	702	704	706	707	708	711	716	721	722	718	713	705	696	689	687	690	694	697	698	696	695	695	698	703							54
MEANS TEN DAYS ✱				702	705	707	708	708	710	713	720	725	729	728	723	715	706	697	693	697	703	708	708	708	707	706	706	710							46
MEANS FIVE DAYS † (G. M. T.)				712	714	715	716	717	720	723	721 729	725 734	727	724	720	711	700	691	689	696	706	711	712	712	712	713	713	713							
MEANS FIVE DAYS ‡ (G. M. T.)				688	694	695	697	700	694	696	700	723	725	722	715	703	695	687	684	684	682	676	679	672	669	671	683	693							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 194

HORIZONTAL INTENSITY

23976 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1940 — SEPTEMBER 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	710	711	714	717	719	724	716	713	724	714	708	709	701	691	659	654	674	688	685	654	673	652	661	664	693	1	5	46 728	21	25 641	87
2				659	671	676	690	686	686	689	694	700	709	714	714	710	701	689	689	683	691	684	679	671	686	676	674	688	1	10	46 716	0	12 648	68
3				681	684	689	691	693	692	700	700	695	726	726	714	696	670	652	666	678	684	684	679	674	675	683	687	688	1	9	16 731	14	07 646	85
4				697	700	690	691	704	705	688	694	692	682	697	708	697	690	681	680	672	665	682	672	677	684	686	689	688	1	4	54 716	17	36 658	58
5				691	690	692	695	702	714	705	708	710	711	699	688	681	679	678	683	684	689	694	696	697	691	689	705	695	0	5	30 716	14	17 676	40
6				697	696	701	706	711	701	704	707	713	715	705	699	694	678	680	685	686	690	694	690	696	703	705	706	698	0	4	18 717	13	52 673	44
7			✓	706	705	705	706	706	709	711	715	707	689	679	668	642	627	624	634	637	646	653	671	675	669	672	688	677	1	7	00 717	14	51 620	97
8				688	685	688	692	693	697	704	701	693	702	701	691	670	671	675	676	680	675	667	684	683	678	677	700	686	0	6	00 710	18	58 664	46
9				691	685	686	688	687	692	697	699	694	689	687	681	692	683	678	682	679	676	682	692	692	689	683	682	687	0	0	06 707	17	02 670	37
10	✓	✓		683	686	692	694	691	697	697	694	694	693	691	688	685	688	689	685	691	695	698	700	701	702	702	703	693	0	23	46 704	0	31 680	24
11	✓			703	703	704	704	705	705	708	714	720	719	717	716	713	710	704	698	698	698	697	693	693	696	692	693	704	0	8	41 720	22	30 691	29
12	✓	✓		693	696	701	706	709	712	713	713	717	721	723	719	716	712	710	705	703	706	712	715	714	711	718	714	711	0	10	26 724	0	43 693	31
13	✓			714	716	718	721	723	721	724	726	732	731	731	729	717	710	712	715	719	718	726	723	727	727	727	722	722	0	9	03 733	13	29 709	24
14				721	721	724	726	729	732	735	737	735	726	718	701	693	705	712	718	727	732	735	732	728	727	724	715	723	1	7	31 739	11	52 687	52
15				713	709	746	719	716	718	721	716	716	717	715	710	689	686	696	691	683	697	705	706	702	704	703	702	708	1	2	15 757	13	02 676	81
16				707	715	720	719	718	718	720	723	724	720	720	720	711	705	691	695	704	709	710	713	710	700	682	680	710	0	8	12 726	23	57 674	52
17	✓	✓		691	699	706	701	700	702	704	705	701	697	698	698	698	699	701	706	714	715	715	716	715	714	715	714	705	0	19	35 717	12	47 697	20
18	✓			716	716	720	721	722	725	725	730	725	721	721	718	716	715	714	711	717	722	723	721	720	719	719	719	720	0	7	26 731	15	31 710	21
19	✓	✓		719	721	723	726	725	731	730	734	734	730	728	721	709	702	701	706	716	722	722	721	720	718	716	715	720	0	8	18 736	14	37 699	37
20				716	716	717	719	722	725	729	736	743	746	748	746	733	724	725	732	727	728	727	717	718	711	711	697	726	0	11	07 749	23	52 694	55
21				695	706	714	714	720	722	728	732	741	746	746	740	731	722	719	713	712	707	699	693	700	684	680	696	715	1	9	23 748	22	17 678	70
22				708	711	709	707	710	712	715	716	717	718	720	720	710	704	703	698	690	688	699	699	697	699	721	703	707	0	22	26 732	17	42 684	48
23	✓	✓		702	708	720	718	715	712	715	724	729	734	735	729	719	711	708	710	711	715	716	715	712	714	713	713	717	0	10	15 737	0	10 699	38
24	✓			715	717	717	719	720	722	725	727	727	725	718	705	688	685	695	706	712	714	715	715	716	716	716	714	714	0	8	19 730	13	02 683	47
25				715	717	717	715	716	720	723	726	720	709	698	693	690	680	681	705	708	711	704	692	696	706	706	702	706	1	7	39 728	14	13 671	57
26			✓	711	739	708	702	703	702	705	702	703	699	686	678	678	685	692	700	704	707	709	709	708	709	711	714	703	1	1	01 761	11	50 676	85
27			✓	721	783	759	700	661	653	661	668	655	639	638	653	648	636	639	648	646	654	666	676	689	690	697	679	673	1	1	53 821	10	21 630	191
28			✓	674	695	701	681	673	679	672	678	669	673	668	644	629	626	631	631	637	648	677	668	654	675	664	656	663	1	2	04 737	14	16 616	121
29				675	687	677	689	687	674	677	675	678	670	680	691	686	683	678	681	682	687	690	694	689	687	703	689	684	0	22	06 718	9	30 666	52
30	✓			690	692	698	697	692	694	698	702	699	693	693	693	692	695	698	700	701	701	701	701	704	704	703	701	698	0	20	32 707	0	00 686	21
31																																		
MEANS ALL DAYS				700	706	708	706	705	707	708	710	710	709	707	703	694	689	687	690	692	696	699	698	698	698	698	698	701						57
MEANS TEN DAYS ✻				703	705	710	711	710	712	714	717	718	716	716	712	705	703	703	704	708	711	712	712	712	712	712	711	710						29
MEANS FIVE DAYS † (G. M. T.)				713	714	715	717	718	720	722	714 727	715 729	715	715	711	705	702	702	702	707	711	713	713	712	712	713	712	713						
MEANS FIVE DAYS ‡ (G. M. T.)				683	704	700	690	680	678	681	683	692	683	676	670	660	653	649	653	660	669	678	676	680	679	681	680	677						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 195

HORIZONTAL INTENSITY

23976 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	700	702	713	706	706	702	702	698	677	668	669	668	661	666	678	685	680	675	670	652	648	649	664	674	680	1	2	28	721	22 05	641	80
2				703	687	701	710	671	659	664	663	662	666	674	686	690	692	689	688	688	685	683	684	678	680	669	674	681	1	3	24	730	5 22	656	74
3				704	687	681	694	681	684	686	691	694	694	687	674	661	656	662	667	663	654	657	654	655	661	674	675	675	1	0	29	712	20 42	650	62
4				681	684	706	699	695	697	700	697	690	693	685	676	671	678	688	688	691	693	699	699	699	697	696	695	692	0	2	44	714	12 18	669	45
5				694	704	704	704	702	702	703	704	705	703	698	684	679	680	681	686	695	697	697	694	695	697	710	702	697	0	22	45	714	11 41	677	37
6				703	705	706	706	707	708	711	716	718	717	709	702	701	703	700	701	705	707	708	697	693	693	691	695	704	0	8	50	719	22 00	687	32
7			✓	719	703	696	701	701	702	709	696	694	697	689	681	673	668	663	659	636	628	646	653	631	629	648	625	673	1	0	40	733	20 51	606	127
8			✓	633	645	657	669	667	680	677	660	645	629	606	596	599	597	590	596	612	620	615	632	643	653	661	660	635	1	5	04	697	14 58	582	115
9	✓			660	684	663	675	681	676	678	665	677	681	677	669	658	657	666	677	688	688	687	686	689	693	694	700	678	0	23	32	703	0 21	650	53
10	✓			698	698	700	701	703	706	710	709	706	698	687	679	676	674	676	688	703	709	703	695	690	690	695	700	696	0	6	57	711	13 11	673	38
11				704	706	705	701	702	707	712	720	723	720	712	702	697	694	700	703	707	710	710	707	700	706	712	705	707	0	8	41	725	13 58	691	34
12				700	701	705	708	710	713	718	728	737	742	740	735	724	709	706	713	717	717	718	708	709	716	717	717	717	0	9	40	744	0 21	698	46
13	✓	✓		718	723	726	723	722	719	722	719	715	709	707	705	702	699	703	707	710	716	716	717	715	712	716	715	714	0	1	04	729	13 49	698	31
14	✓	✓		717	716	718	720	721	722	723	721	716	711	708	703	704	706	711	719	721	723	722	722	722	722	721	722	717	0	21	14	725	11 21	702	23
15				721	722	725	732	727	727	728	730	728	725	721	723	720	716	701	714	725	714	719	723	718	733	725	719	722	1	21	37	748	14 33	696	52
16				718	723	722	724	722	719	722	722	713	710	702	694	694	699	704	704	704	705	706	715	718	714	702	706	711	0	1	52	730	12 30	693	37
17	✓			714	712	726	718	707	709	713	715	722	720	720	715	715	715	716	719	718	718	721	722	723	722	720	719	717	0	1	55	736	1 15	702	34
18				721	724	726	726	727	729	723	722	719	717	719	719	717	713	717	686	704	705	708	711	715	717	716	720	717	1	5	48	732	15 29	676	56
19				720	721	720	722	727	717	727	732	731	723	712	694	688	690	695	692	687	679	693	698	694	700	703	707	707	1	7	56	737	17 19	671	66
20				715	715	715	713	712	707	722	729	727	716	709	701	696	694	692	698	705	703	706	707	708	711	709	709	709	0	7	16	730	14 51	689	41
21				713	716	719	717	718	722	727	736	733	736	734	732	725	719	720	716	717	715	698	692	709	716	716	717	719	1	7	12	740	19 10	671	69
22				732	718	716	719	716	717	731	724	725	718	710	707	707	708	687	707	705	711	707	699	687	696	702	706	711	1	0	34	742	14 27	669	73
23	✓	✓		706	706	708	711	713	714	720	722	719	714	703	692	692	695	698	707	711	713	716	716	716	715	716	716	710	0	7	02	722	11 57	689	33
24	✓	✓		715	713	716	716	716	716	718	721	716	713	710	711	706	704	707	710	716	716	717	716	719	720	719	719	715	0	23	59	724	13 28	701	23
25			✓	719	723	719	720	721	721	725	725	721	712	705	703	703	700	705	718	724	730	732	731	722	729	740	744	720	1	23	28	748	13 32	698	50
26			✓	751	761	769	768	786	769	744	750	755	744	733	717	722	724	729	737	742	751	732	732	733	724	704	697	741	1	4	30	798	22 55	685	113
27				722	682	669	704	690	682	686	681	677	675	674	682	672	679	684	681	681	683	685	703	687	706	698	705	687	1	0	22	739	2 42	657	82
28				708	702	703	708	705	705	708	705	700	692	687	688	688	691	699	698	699	697	701	704	704	709	704	705	700	0	0	00	722	13 07	683	39
29	✓			710	709	708	711	728	718	722	725	722	714	701	698	702	708	714	709	706	705	709	712	711	710	712	711	711	0	4	16	735	11 29	698	37
30	✓	✓		713	715	717	723	721	723	724	723	717	716	709	713	722	729	729	728	717	717	719	721	721	718	721	723	720	0	14	01	731	10 46	705	26
31	✓			722	723	724	724	722	723	723	722	715	707	704	709	709	712	715	715	715	712	703	700	705	711	707	707	714	0	6	52	725	19 40	699	26
MEANS ALL DAYS				708	707	709	712	711	710	712	712	710	706	700	695	693	693	694	697	700	700	700	700	699	702	703	703	703							53
MEANS TEN DAYS ✱				707	710	711	712	713	713	715	714	712	708	703	699	699	700	704	708	710	712	711	711	711	711	712	713	709							32
MEANS FIVE DAYS † (G. M. T.)				719	719	720	722	721	722	723	721 724	717 719	713	707	705	705	707	710	714	715	717	718	718	719	717	719	719	716							
MEANS FIVE DAYS ‡ (G. M. T.)				694	692	692	705	699	693	690	684	698	690	680	673	672	671	673	679	679	681	679	680	675	677	683	680	684							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 196

HORIZONTAL INTENSITY

23976 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1940 — NOVEMBER 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				701	708	715	716	722	722	725	722	710	697	694	695	709	725	711	702	697	703	702	699	686	696	704	707	707	1	12 55	731	20 12	683	48
2	✓			707	709	727	718	717	720	720	717	710	702	690	679	682	692	701	697	699	701	711	705	707	709	710	713	706	0	2 12	731	11 52	677	54
3				714	715	716	718	718	720	719	717	710	707	695	686	695	694	704	709	704	694	694	686	674	677	685	692	702	0	5 09	723	20 37	671	52
4				697	697	703	702	705	710	715	717	715	711	704	700	702	699	695	707	713	710	716	716	713	687	678	675	704	1	20 12	724	23 21	674	50
5				694	688	699	706	709	705	696	695	701	708	708	698	699	698	701	694	697	689	686	705	712	717	703	706	701	1	21 02	722	0 09	673	49
6	✓			717	712	706	707	709	711	709	709	711	713	717	715	714	708	714	715	716	715	713	712	712	707	713	713	712	0	17 07	720	21 22	705	15
7				713	718	718	723	725	727	731	733	729	729	728	721	717	709	718	708	702	713	708	708	706	704	705	709	717	0	7 28	734	15 52	698	36
8	✓	✓		710	711	711	713	715	717	722	725	715	712	709	705	707	708	709	709	710	709	710	712	705	709	709	714	712	0	7 22	727	11 27	704	23
9				715	715	717	717	719	721	723	720	717	714	704	696	695	691	696	707	700	697	682	682	676	684	686	682	702	0	6 10	723	20 26	672	51
10	✓	✓		683	689	697	700	704	702	700	699	702	711	718	717	715	711	709	709	710	713	712	715	716	717	716	717	708	0	10 37	719	0 34	679	40
11	✓	✓		720	724	726	726	727	727	726	721	719	725	733	740	741	734	732	732	731	727	728	728	728	728	728	727	728	0	12 11	742	8 21	718	24
12			✓	728	728	729	728	730	731	728	720	713	718	708	709	705	707	716	734	746	723	680	682	704	710	721	723	718	1	16 25	752	19 10	666	86
13			✓	727	725	733	716	707	699	710	696	676	663	643	631	633	628	626	631	663	664	663	666	657	654	653	670	672	1	2 50	746	15 15	609	137
14				694	699	691	696	701	705	704	701	689	685	685	688	696	691	676	686	692	698	692	695	706	715	703	703	695	1	21 17	720	14 34	671	49
15				708	719	708	704	709	707	709	708	698	685	668	667	667	680	686	699	712	713	711	707	709	710	713	713	700	1	1 30	724	12 39	659	65
16				720	716	710	719	720	728	731	729	723	711	697	682	668	670	683	688	705	712	714	714	715	721	725	724	709	1	7 00	735	13 01	661	74
17				743	714	706	722	706	709	714	714	701	697	692	692	695	696	704	706	706	706	707	710	712	713	718	732	709	0	0 30	760	11 16	689	71
18	✓	✓		722	717	718	721	705	709	706	711	707	702	694	682	674	674	682	693	700	700	706	707	706	711	711	713	703	0	3 29	734	13 16	672	62
19	✓	✓		714	714	714	715	719	721	723	724	725	727	725	725	731	733	738	732	723	721	724	724	722	724	728	726	724	0	15 01	745	0 01	712	33
20				730	730	731	737	737	741	743	737	731	721	718	718	728	731	740	747	740	737	739	742	745	736	731	729	734	1	14 51	752	11 01	715	37
21				727	726	728	725	734	730	734	715	726	705	696	704	706	713	723	718	707	678	657	667	687	694	692	695	708	1	15 39	744	19 05	644	100
22			✓	699	702	707	709	707	707	707	700	700	696	695	694	688	671	660	653	664	678	688	671	667	693	696	697	690	1	3 40	714	16 10	647	67
23				700	706	711	716	725	720	717	720	707	690	684	685	700	692	673	659	665	661	650	660	672	678	678	679	690	1	4 43	740	18 18	644	96
24	✓			684	687	693	690	693	688	687	685	684	686	685	684	680	678	681	691	698	702	708	711	712	710	711	710	693	0	20 37	714	14 05	675	39
25			✓	711	713	712	711	713	721	720	719	712	705	709	714	716	708	706	708	721	713	711	726	722	699	689	678	711	1	20 43	743	23 01	664	79
26				680	675	687	678	680	682	682	683	681	686	678	685	688	692	691	685	683	695	694	701	704	714	726	719	690	1	22 51	736	0 27	658	78
27	✓			733	722	710	708	707	713	718	718	703	690	695	708	709	702	701	702	705	710	712	712	710	709	694	702	708	0	0 20	755	9 50	688	67
28	✓			713	716	722	720	714	710	719	718	711	705	703	694	688	693	697	704	711	710	714	719	715	715	723	721	711	0	22 46	729	12 22	686	43
29			✓	720	720	720	724	726	736	739	735	725	721	721	721	707	679	681	697	696	686	705	706	714	718	677	703	712	1	20 58	752	22 40	665	87
30				718	718	706	706	697	691	689	701	691	688	675	674	680	678	686	695	704	702	705	705	702	725	709	719	698	1	0 43	736	11 24	669	67
31																																		
MEANS ALL DAYS				711	711	712	713	713	714	716	714	708	704	699	697	698	696	698	701	704	703	701	703	704	706	704	707	706						59
MEANS TEN DAYS ✻				710	710	712	712	711	712	713	713	709	707	707	705	704	703	706	708	710	711	714	714	713	714	714	716	710						40
MEANS FIVE DAYS † (G. M. T.)				721	722	723	725	726	728	729	716 724	714 721	715	716	714	714	712	714	715	715	714	716	717	715	718	718	719	719						
MEANS FIVE DAYS ‡ (G. M. T.)				704	705	706	702	702	699	700	700	705	701	695	694	690	679	678	685	698	693	689	690	693	695	687	694	695						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 197

HORIZONTAL INTENSITY

23976 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				710	711	709	716	713	713	713	714	719	725	717	708	706	711	713	713	707	717	715	716	715	714	712	708	713	0	9 13	726	16 25	700	26
2				714	716	735	723	719	717	719	716	711	716	702	698	716	710	710	701	700	705	723	702	699	705	716	728	713	1	2 24	743	19 35	692	51
3				707	713	719	713	709	709	712	711	711	710	699	701	700	699	704	707	709	710	704	718	699	702	699	695	707	0	19 27	740	23 11	690	50
4	✓			707	716	716	715	712	717	716	715	712	712	712	709	710	706	702	706	712	714	710	714	718	710	707	704	711	0	19 52	727	23 48	700	27
5	✓			705	708	718	717	715	717	718	714	713	717	719	713	705	699	704	711	715	718	715	719	719	718	720	717	714	0	22 08	727	13 46	694	33
6	✓	✓		717	724	718	715	714	721	726	724	725	721	719	713	716	716	716	720	717	709	713	716	717	723	724	725	719	0	6 07	729	17 42	707	22
7	✓	✓		725	726	726	723	724	726	732	738	741	739	738	729	720	717	717	719	727	726	723	726	726	725	723	723	727	0	8 02	742	14 54	716	26
8	✓	✓		725	725	725	725	726	730	731	733	738	749	747	738	737	736	733	730	732	736	736	734	731	731	733	733	733	0	9 50	751	1 42	723	28
9				733	733	733	733	733	733	738	745	751	757	760	763	760	751	738	723	727	705	720	726	721	708	713	728	735	0	11 58	765	17 35	701	64
10				733	732	725	720	720	725	738	741	744	749	743	741	737	722	709	716	719	727	723	721	728	732	735	736	730	0	9 35	751	14 00	703	48
11	✓			737	710	718	724	724	726	729	735	744	749	746	743	737	734	729	715	700	704	712	714	716	719	718	719	725	0	9 13	753	16 21	697	56
12				720	727	725	721	725	734	732	727	732	745	751	750	751	743	725	716	708	714	717	714	713	716	715	723	727	0	10 32	753	15 54	700	53
13				712	710	716	717	718	722	729	736	719	724	739	746	745	726	709	705	714	702	713	716	721	720	721	721	721	1	12 17	754	17 33	695	59
14				720	728	727	728	728	731	730	725	730	743	749	742	736	732	721	723	724	708	714	714	719	714	719	723	726	1	10 38	751	19 35	703	48
15				729	748	724	715	711	711	715	706	710	723	738	742	743	737	733	728	726	721	719	719	717	719	720	719	724	1	1 24	752	7 42	703	49
16				721	728	734	729	723	728	727	730	735	730	712	704	697	705	721	733	727	717	713	717	712	712	719	722	721	1	2 07	740	13 12	693	47
17	✓			724	727	729	729	728	729	731	723	721	726	727	729	733	727	720	718	719	719	719	721	725	729	718	717	724	0	11 51	737	22 33	714	23
18	✓	✓		720	719	717	717	721	726	723	724	717	716	725	738	742	734	732	727	728	727	718	720	720	724	726	726	724	0	12 31	743	8 34	713	30
19	✓	✓		724	725	729	726	727	732	734	727	714	716	724	722	720	720	718	717	720	719	720	725	731	731	739	741	725	0	23 38	743	9 04	710	33
20			✓	740	738	737	739	741	735	740	740	736	737	741	733	728	708	705	722	733	724	705	701	713	722	705	705	726	1	21 16	751	23 30	689	62
21			✓	697	710	705	695	690	695	700	699	688	688	684	675	654	656	685	704	702	706	693	718	696	702	719	717	695	1	22 56	735	13 23	642	93
22			✓	711	707	714	710	703	705	705	703	703	692	694	704	715	710	700	695	703	698	696	703	725	707	710	728	706	1	20 33	763	9 57	686	77
23				705	708	708	703	703	703	703	706	707	712	715	711	722	727	724	720	712	710	699	701	728	713	704	706	710	1	20 38	740	18 36	691	49
24	✓			708	713	714	724	724	721	714	713	719	712	712	717	713	712	707	705	703	710	715	711	713	720	718	717	714	0	3 22	733	0 01	694	39
25				715	718	716	717	719	720	726	732	731	732	730	731	739	741	726	707	705	708	706	710	706	698	707	716	719	0	13 48	747	21 09	691	56
26				716	709	711	710	711	710	712	713	717	724	729	729	727	727	724	718	712	702	694	695	698	709	714	715	714	0	11 30	732	18 48	690	42
27				716	717	721	728	719	717	716	712	715	723	720	714	715	715	716	713	704	709	717	727	716	709	712	731	717	0	23 27	736	16 13	699	37
28				721	715	717	716	718	720	721	724	723	722	726	729	728	731	728	726	713	716	719	724	724	723	724	726	722	0	13 33	733	16 34	709	24
29				726	727	728	728	730	740	731	711	710	706	707	701	689	683	681	703	708	708	709	713	710	712	714	726	713	1	5 22	748	14 27	679	69
30			✓	720	718	713	715	718	721	721	720	720	717	721	721	722	731	736	712	702	688	694	701	708	703	702	721	714	1	13 51	743	16 57	679	64
31			✓	729	720	736	735	723	735	746	747	738	717	729	736	731	720	720	719	716	713	720	725	721	725	723	715	727	1	22 28	762	22 48	686	76
MEANS ALL DAYS				719	720	721	720	719	722	723	723	722	724	725	724	722	719	716	715	714	713	713	716	716	716	717	720	719						47
MEANS TEN DAYS ✻				719	719	721	722	722	724	725	725	724	726	727	725	723	720	718	717	717	718	718	720	722	723	723	722	722						32
MEANS FIVE DAYS † (G. M. T.)				729	729	730	729	730	731	735	729 737	727 736	728	731	728	727	725	723	723	725	723	722	724	725	727	729	730	728						
MEANS FIVE DAYS ‡ (G. M. T.)				713	711	711	708	704	708	712	714	717	710	714	714	710	705	709	710	711	706	702	710	713	712	712	717	711						

DECEMBER 1940

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 198

VERTICAL INTENSITY

JANUARY 1940

50952 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1940

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				546	545	542	542	542	546	548	549	558	563	551	533	519	520	525	534	537	538	541	540	544	547	547	546	542	0	9 26	565	12 10	518	47
2				545	541	541	538	539	542	546	543	538	547	545	545	541	540	536	536	540	551	549	549	556	569	562	551	545	0	21 57	572	8 27	532	40
3			✓	549	549	548	547	547	546	547	538	548	550	546	530	519	524	526	529	536	557	572	576	573	572	573	605	550	2	23 21	638	12 18	516	122
4				619	597	569	563	546	548	551	547	544	541	534	529	533	546	550	556	556	549	547	563	560	561	554	551	555	1	0 12	648	11 50	523	125
5				555	553	550	556	551	556	558	550	545	539	527	518	524	533	544	548	546	541	540	544	548	548	549	550	545	0	6 19	573	11 52	516	57
6				551	551	552	555	555	553	557	550	551	550	537	528	528	532	542	549	549	548	548	558	564	563	565	564	550	1	22 51	575	12 16	525	50
7				552	551	535	547	555	561	562	563	556	539	517	504	497	506	527	541	541	541	548	558	555	561	555	551	543	1	0 04	569	12 17	493	76
8				548	544	538	544	551	548	549	556	548	540	526	514	513	519	533	540	544	544	545	548	550	551	555	553	542	0	6 54	561	12 33	511	50
9				547	545	544	544	547	555	559	561	560	547	530	518	515	522	533	535	538	541	545	554	558	558	547	550	544	1	7 53	564	12 20	514	50
10			✓	543	540	547	532	549	555	557	556	559	549	531	511	507	512	516	523	530	536	544	546	547	587	602	598	545	1	22 47	658	12 14	506	152
11			✓	582	564	560	544	533	548	552	558	559	555	539	527	518	527	538	542	554	564	564	564	564	563	567	568	552	1	1 00	589	12 16	513	76
12				564	561	553	551	554	566	559	562	563	556	540	530	522	525	536	543	544	553	561	564	571	558	567	569	553	1	23 30	586	12 24	519	67
13	✓			555	559	542	544	543	542	553	566	565	556	540	527	523	529	538	544	544	547	554	558	557	559	560	558	548	0	7 35	571	12 47	520	51
14	✓	✓		558	555	552	548	551	556	561	566	569	568	562	547	520	504	509	526	544	555	561	559	556	557	558	558	550	0	8 44	570	13 44	502	68
15	✓			556	552	550	548	545	552	555	556	561	554	540	526	520	520	524	532	537	544	554	560	563	560	561	564	547	0	23 13	567	13 00	517	50
16				557	552	552	551	552	553	556	558	567	573	560	530	513	502	509	528	543	554	555	555	560	572	567	557	549	0	21 55	582	13 50	500	82
17				559	547	546	550	554	554	553	555	558	558	549	539	528	512	527	520	522	532	553	556	561	573	602	571	549	1	22 11	614	13 17	509	105
18			✓	567	574	567	557	554	556	565	565	562	558	543	522	511	505	512	522	536	539	539	546	556	565	557	555	547	1	23 48	617	13 34	501	116
19				606	574	587	562	544	546	555	554	549	536	525	524	528	536	545	546	541	544	556	560	564	560	560	560	553	1	0 13	619	10 33	515	104
20	✓			562	560	558	562	563	564	564	565	566	549	523	515	525	543	552	549	549	555	555	555	555	559	559	559	553	0	7 04	572	11 20	512	60
21	✓	✓		556	553	550	552	562	569	575	571	563	547	533	530	537	543	547	543	543	553	560	560	557	558	557	557	553	0	7 08	578	11 03	528	50
22				555	554	554	556	558	564	571	574	560	534	507	497	521	541	547	542	541	544	549	555	558	561	559	558	548	0	7 00	576	11 15	493	83
23	✓			552	554	553	560	557	565	575	576	559	535	517	508	512	516	525	544	551	553	551	544	551	554	554	554	547	0	7 01	579	11 40	507	72
24				556	552	551	551	551	565	575	571	546	525	518	510	517	540	555	563	554	554	561	567	568	565	562	561	552	0	7 00	578	11 58	500	78
25				561	557	550	547	550	562	577	574	570	557	547	526	530	527	527	537	549	557	562	561	556	574	561	554	553	0	21 43	590	11 40	521	69
26	✓	✓		551	549	549	550	551	557	567	578	577	567	548	531	521	516	528	543	553	553	556	556	558	560	558	556	551	0	8 07	581	13 20	515	66
27	✓	✓		555	553	551	549	551	556	567	570	572	563	547	540	527	516	515	528	543	552	553	553	555	556	556	557	549	0	8 50	578	14 20	509	69
28	✓	✓		555	550	546	545	547	550	556	566	566	555	529	500	487	500	515	538	552	555	555	553	553	554	554	553	543	0	7 45	568	12 40	485	83
29	✓			552	551	549	548	548	552	559	569	575	566	544	523	510	490	485	497	523	546	557	557	561	572	571	571	545	0	21 34	577	14 40	485	92
30				569	568	553	546	543	546	552	563	577	569	546	519	508	507	504	518	537	557	561	559	575	569	563	570	549	1	8 39	579	14 07	498	81
31			✓	556	559	554	553	549	556	560	558	562	555	543	526	499	476	492	503	526	537	545	550	567	592	578	562	544	1	21 51	607	13 36	468	139
MEANS ALL DAYS				559	555	551	550	550	554	559	561	560	552	537	523	518	520	528	535	542	548	553	556	559	563	563	561	548						78
MEANS TEN DAYS ✲				555	554	550	551	552	556	563	568	567	556	538	525	518	518	524	534	544	551	556	556	557	559	559	559	549						66
MEANS FIVE DAYS † (G. M. T.)				555	552	550	549	550	555	562	570 567	569 567	560	544	530	518	516	523	536	547	554	557	556	556	557	557	556	549						
MEANS FIVE DAYS ‡ (G. M. T.)				588	570	564	553	541	551	554	554	558	553	540	523	511	509	517	524	536	547	553	556	561	576	575	578	550						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 199

VERTICAL INTENSITY

50951 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1940 — FEBRUARY 1940

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	569	552	550	547	530	548	552	550	541	551	552	538	525	524	537	543	552	559	557	560	560	557	556	557	549	1	20 53	582	4 16	516	66
2			✓	564	545	557	556	556	557	555	562	557	557	556	549	543	536	526	531	546	553	553	554	557	563	560	558	552	0	7 00	571	14 26	524	47
3			✓	557	557	545	550	556	559	560	560	557	552	540	523	513	513	524	537	545	557	565	562	564	565	567	569	550	1	23 38	572	13 23	510	62
4	✓			561	542	558	553	555	552	559	563	564	557	542	528	520	516	521	529	539	550	558	557	555	555	555	558	548	0	0 00	572	13 35	516	56
5	✓			554	560	557	553	549	555	564	567	563	551	530	508	501	504	516	532	545	552	559	559	550	552	560	554	546	0	7 36	570	12 24	500	70
6				548	549	551	549	552	556	566	565	561	554	532	506	503	505	515	534	552	559	562	554	554	559	562	559	546	1	21 59	568	12 04	502	66
7				555	555	551	556	539	553	565	566	572	563	536	496	492	508	521	543	556	562	567	567	569	571	563	563	550	0	8 29	582	12 11	486	96
8				560	552	547	547	546	554	564	571	579	566	541	524	514	518	523	532	542	553	565	556	555	557	557	563	549	0	8 20	580	12 33	511	69
9				557	555	553	550	539	556	561	567	566	557	536	524	517	520	529	542	553	559	559	559	560	561	561	562	550	0	8 03	578	13 06	515	63
10	✓			559	556	553	552	554	555	562	576	582	578	561	540	524	510	513	526	541	555	560	557	558	558	558	559	552	0	8 02	584	13 55	509	75
11				558	553	551	550	550	554	561	573	579	569	546	525	510	505	510	520	540	555	562	564	563	564	567	565	550	0	7 56	581	13 25	504	77
12			✓	560	557	550	547	553	550	548	552	558	555	544	515	499	508	518	537	555	561	562	562	558	568	580	576	549	1	22 42	585	12 28	498	87
13				560	552	551	552	549	553	559	568	567	560	547	536	523	518	516	522	533	548	558	558	560	569	568	562	550	0	8 00	575	14 23	513	62
14	✓	✓		560	559	561	560	551	553	565	571	576	575	563	542	518	508	513	522	535	549	563	560	563	560	561	559	552	0	9 07	581	13 25	506	75
15	✓			561	561	558	555	554	554	562	572	580	576	563	545	528	516	507	511	524	548	556	557	565	571	571	562	552	0	8 46	583	14 57	504	79
16				559	557	555	555	555	553	557	569	581	571	557	534	514	503	501	512	529	548	559	559	556	559	557	561	548	0	8 34	584	13 59	496	88
17	✓	✓		567	562	555	549	548	551	562	575	581	574	553	524	497	493	500	512	535	549	552	556	558	554	555	556	547	0	8 30	582	13 20	492	90
18	✓	✓		560	555	554	553	553	553	557	563	568	568	554	537	528	524	523	528	537	544	551	553	554	554	554	554	549	0	9 10	570	14 22	521	49
19	✓	✓		554	554	554	554	554	553	557	564	575	573	559	538	517	497	499	509	525	541	549	551	551	552	554	553	545	0	8 35	577	14 03	494	83
20				552	552	554	553	551	550	554	568	577	571	553	533	527	532	533	540	543	547	550	553	560	563	568	565	552	1	9 22	594	12 39	520	74
21				564	560	554	548	550	557	560	564	560	551	539	513	507	521	532	547	558	568	580	586	585	571	567	563	554	1	19 49	603	12 14	504	99
22				568	556	552	549	550	553	564	569	571	569	548	536	519	509	523	545	565	565	568	574	574	571	568	567	556	0	20 05	577	13 17	507	70
23				561	562	557	554	548	558	560	561	565	560	545	534	517	510	523	535	550	559	565	565	564	563	565	562	552	0	18 51	567	13 10	508	59
24				557	554	553	553	554	547	546	564	573	563	556	534	510	503	516	537	557	572	572	570	570	570	571	572	553	0	8 30	579	13 30	502	77
25			✓	571	564	548	548	550	554	553	557	567	564	557	552	528	502	500	528	544	567	585	588	589	593	596	593	558	1	22 10	610	14 40	492	118
26				576	569	556	553	559	563	571	576	578	570	560	545	528	517	520	527	541	558	564	565	564	567	569	568	557	0	2 04	606	13 35	514	92
27	✓	✓		560	555	551	546	548	559	565	571	579	577	565	537	506	490	491	503	525	543	551	554	556	565	561	560	547	0	8 27	581	13 55	486	95
28	✓			560	557	557	554	554	554	560	571	578	576	561	537	514	497	495	505	520	540	552	553	556	559	563	564	547	0	9 08	579	14 36	493	86
29				563	562	555	553	553	553	552	565	568	566	559	542	521	503	507	509	525	538	547	553	556	565	565	563	548	0	22 30	572	13 46	495	77
30																																		
31																																		
MEANS ALL DAYS				561	556	553	552	550	554	559	566	570	565	550	531	516	511	516	528	542	554	560	561	562	563	564	563	550						76
MEANS TEN DAYS ✱				560	556	556	553	552	554	561	569	575	570	555	534	515	506	508	518	533	547	555	556	557	558	559	558	548						76
MEANS FIVE DAYS † (G. M. T.)				557	556	555	554	553	553	558	569 568	576 576	573	559	536	513	502	505	515	531	545	553	555	556	557	557	556	548						
MEANS FIVE DAYS ‡ (G. M. T.)				564	553	553	553	555	557	561	566	556	556	550	535	522	517	521	535	548	559	564	565	566	569	572	571	553						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = ND RECORD

TABLE 200

VERTICAL INTENSITY

50951 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1940 — MARCH 1940

DAY	#	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				562	564	560	557	553	554	557	561	563	562	553	535	505	494	501	514	529	542	552	556	559	560	560	559	546	0	8	38 565	13	33 493	72
2	✓			559	556	554	555	554	554	555	561	564	565	557	546	533	525	518	523	536	545	553	554	556	556	557	557	550	0	9	02 567	14	50 516	51
3				558	558	557	557	556	554	557	564	567	565	550	519	499	502	515	522	532	547	557	555	555	555	557	560	547	0	8	14 570	12	35 496	74
4	✓			553	552	553	553	555	549	558	566	578	572	543	500	487	494	506	519	532	547	552	554	555	557	562	556	544	0	8	44 578	12	25 487	91
5	✓			556	554	554	556	555	556	560	565	573	559	531	517	518	527	532	537	542	549	555	559	557	557	555	554	549	0	8	30 575	11	50 516	59
6	✓	✓		554	553	553	553	553	555	557	560	557	547	537	534	530	531	533	540	545	550	554	554	554	556	554	554	549	0	7	52 561	12	38 529	32
7	✓	✓		553	553	552	551	551	554	558	568	569	561	538	526	513	510	510	521	539	554	559	558	559	562	555	552	547	0	8	07 574	13	19 508	66
8				552	551	551	552	552	556	561	565	572	564	541	526	518	521	538	552	562	566	561	561	564	559	559	557	553	0	8	35 578	12	52 514	64
9				557	558	556	555	558	554	551	541	548	549	552	544	554	550	559	568	577	579	589	581	578	579	579	572	562	1	18	42 599	9	30 535	64
10	✓			564	564	557	557	555	561	567	571	570	558	545	538	537	541	544	548	551	555	559	562	560	561	562	561	556	0	8	11 575	12	10 535	40
11	✓	✓		562	560	559	559	559	562	564	566	570	565	555	547	538	531	524	528	539	550	557	559	562	563	566	565	555	0	8	26 571	14	35 524	47
12				565	559	555	554	554	554	557	561	565	565	560	548	530	516	515	522	533	547	554	556	557	561	565	565	551	1	23	28 569	13	54 513	56
13				571	579	569	571	560	543	536	546	552	552	543	540	527	520	521	533	540	551	561	567	562	562	564	567	552	0	1	00 582	14	00 516	66
14				564	560	559	557	557	557	553	559	571	570	563	553	543	534	533	538	550	564	562	564	565	567	568	569	558	0	9	02 573	13	54 530	43
15	✓	✓		570	566	557	559	553	557	558	560	563	563	556	550	540	531	530	535	544	551	555	556	558	560	562	561	554	0	0	50 575	14	45 529	46
16				561	561	558	558	557	556	558	563	569	567	557	543	527	511	510	524	539	551	560	559	559	561	561	561	551	0	8	50 573	14	04 505	68
17	✓			564	567	561	564	564	557	550	554	559	564	563	554	544	536	533	537	548	556	560	561	561	561	561	561	556	0	3	58 570	14	27 530	40
18	✓	✓		560	560	559	558	556	556	556	559	567	570	566	549	520	499	496	509	529	545	551	553	553	554	556	556	547	0	9	20 571	14	10 493	78
19				555	555	554	554	553	553	553	558	565	563	555	542	523	513	512	520	539	555	566	561	556	558	570	595	551	1	23	36 602	14	22 509	93
20				589	576	565	560	552	550	549	546	534	537	527	515	520	525	534	547	560	568	585	593	574	567	572	557	554	1	19	07 595	11	58 510	85
21				558	555	546	554	555	562	566	562	552	547	547	524	515	520	520	527	539	555	560	558	558	561	564	564	549	1	23	07 571	11	46 509	62
22				556	556	556	554	553	560	561	561	556	547	534	523	519	518	526	539	552	558	561	564	562	562	562	561	550	0	19	30 565	12	55 514	51
23				558	557	557	557	550	557	556	565	575	572	561	542	525	522	517	520	544	561	578	572	576	578	580	574	556	1	22	54 586	14	24 503	83
24			✓	576	572	561	561	562	548	540	564	554	571	565	551	547	538	541	544	561	567	578	577	568	576	572	588	562	2	24	00 678	14	55 530	148
25				605	572	521	568	514	466	534	538	575	551	Δ														Δ	2	Δ				Δ
26				585	588	585	584	548	575	578	575	588	583	569	569	569	565	571	575	586	592	590	592	592	593	592	588	580	1	6	57 616	4	33 510	106
27				586	582	575	551	578	584	591	602	602	594	569	555	539	544	549	562	570	575	579	580	586	592	590	590	576	1	8	16 614	3	31 508	106
28				582	579	581	579	578	568	578	589	602	604	589	565	553	541	538	551	565	577	582	590	588	588	589	585	577	1	9	12 616	14	14 534	82
29			✓	582	578	572	574	569	576	578	582	587	583	567	550	538	534	532	546	557	585	606	596	610	592	612	613	576	2	20	18 657	13	59 529	128
30			✓	609	633	616	569	577	567	572	537	550	583	532	533	553	548	580	588	605	627	610	649	644	675	636	632	593	2	21	28 723	7	41 417	306
31			✓	606	596	575	585	581	562	566	550	583	600	572	569	567	562	560	568	582	613	710	702	625	642	638	614	597	2	18	22 750	2	27 543	207
MEANS ALL DAYS a)				568	567	562	560	559	558	560	563	568	567	553	540	531	527	530	539	551	563	572	573	570	572	573	572	558						a) 84
MEANS TEN DAYS #				560	558	556	556	556	556	558	563	567	562	549	536	526	522	523	530	540	550	556	557	558	559	559	558	551						55
MEANS FIVE DAYS † (G. M. T.)				557	556	554	554	553	555	557	563 563	565 568	561	550	541	528	520	519	527	539	550	555	556	557	559	559	558	550						
MEANS FOUR DAYS b) ‡ (G. M. T.)				604	606	579	578	564	549	568	556	568	584	559	551	551	546	553	562	576	598	626	631	612	621	614	612	582						

DESIGNATIONS AND REMARKS

= TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FOUR INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

a) Thirty days only, omitting incomplete day March 25 b) Omitting incomplete Greenwich day March 25

TABLE 201

VERTICAL INTENSITY

50951 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1940 — APRIL 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	594	625	604	588	582	600	601	601	596	587	578	565	568	558	572	572	591	622	618	612	597	606	597	598	593	1	19 16	671	0 21	544	127
2			✓	587	584	577	567	588	587	581	591	598	603	598	581	566	563	573	579	587	590	590	593	589	588	588	585	585	1	9 50	606	3 24	556	50
3			✓	583	584	576	559	571	560	549	570	580	587	587	591	585	586	602	623	613	618	596	598	596	591	585	585	586	2	14 59	625	3 05	531	94
4				582	585	585	562	586	580	587	599	598	589	576	559	554	554	563	571	580	591	594	589	588	584	582	581	580	1	4 26	613	3 59	542	71
5				581	577	567	581	581	580	581	580	572	563	554	549	545	549	554	560	□				□	583	583	582		0	1 10	589	13 00	542	47
6				581	577	574	575	573	574	580	581	576	567	560	543	528	532	541	555	570	580	583	585	584	582	579	577	569	0	20 08	586	13 00	527	59
7	✓	✓		574	573	572	573	575	578	579	585	585	582	570	554	541	534	543	550	563	574	578	580	581	579	577	575	570	0	8 17	588	13 18	533	55
8	✓	✓		573	572	572	572	573	576	580	587	589	581	567	551	541	548	554	564	567	571	575	578	579	579	578	577	571	0	8 21	590	12 32	540	50
9	✓	✓		576	572	573	571	571	574	579	586	586	578	562	575	525	524	538	550	563	567	571	574	577	578	580	578	568	0	8 20	589	12 59	522	67
10	✓	✓		575	572	570	569	569	572	576	580	579	571	555	572	527	530	541	553	561	565	569	572	575	576	575	572	566	0	8 00	581	12 43	525	56
11	✓			570	568	567	567	566	567	571	580	581	573	557	541	528	527	537	548	556	559	564	568	576	574	571	570	562	0	7 54	583	13 09	524	59
12	✓	✓		567	568	568	566	567	567	571	576	575	567	554	540	526	527	537	547	558	564	567	569	572	573	571	570	561	0	8 06	578	12 41	525	53
13				567	567	565	565	564	564	567	577	583	577	569	551	534	527	530	541	552	559	566	572	582	587	594	573	564	0	22 19	600	13 22	523	77
14				569	565	565	566	564	565	567	574	576	573	562	552	538	542	549	558	563	573	579	584	580	578	575	572	566	0	19 50	586	12 57	534	52
15				576	575	566	565	565	567	567	571	567	560	552	545	539	538	545	554	567	574	574	570	574	580	577	578	564	1	23 23	586	13 00	533	53
16				565	567	565	556	564	565	566	567	568	568	568	561	555	555	550	557	567	573	572	573	576	572	571	570	565	0	20 07	579	14 03	548	31
17				573	573	568	568	564	561	568	570	575	577	570	560	544	536	543	557	565	569	573	575	575	573	572	574	566	0	9 40	577	13 50	533	44
18	✓			576	570	568	564	566	567	569	572	576	576	571	556	547	543	548	556	562	570	572	572	572	572	568	566	566	0	8 29	577	13 22	541	36
19	✓			565	564	564	564	565	564	567	571	577	568	559	544	533	536	548	554	560	567	570	570	574	572	570	568	562	0	8 25	578	12 40	532	46
20				567	565	564	562	562	563	566	573	574	569	556	541	531	532	538	554	558	562	565	564	565	563	566	565	559	0	8 00	576	13 22	529	47
21				559	553	562	558	558	561	566	574	569	554	538	529	522	527	532	541	547	554	561	566	568	570	567	564	554	1	8 20	582	12 22	518	64
22				562	560	560	562	560	564	567	564	577	570	555	543	533	533	540	555	583	577	580	587	594	587	587	572	566	1	22 14	600	12 50	529	71
23	✓			560	562	557	562	563	566	566	572	572	563	560	548	541	539	542	550	559	564	564	567	571	578	568	565	561	0	21 15	583	13 51	538	45
24	✓			563	561	560	561	561	558	569	570	574	575	565	556	545	540	541	545	551	559	563	565	567	570	583	573	561	0	22 40	590	13 45	540	50
25			✓	568	563	561	559	560	561	561	565	565	557	540	549	536	536	535	546	564	569	574	576	578	578	577	574	560	1	21 17	580	12 36	516	64
26			✓	570	572	590	583	555	527	539	532	567	557	555	552	555	559	567	569	583	589	585	585	597	605	598	588	570	1	21 23	613	5 47	512	101
27				577	569	572	567	555	559	559	562	564	572	580	576	562	559	560	562	568	573	580	586	583	590	584	576	571	0	21 27	603	8 08	548	55
28				572	566	567	564	566	566	566	571	574	573	569	563	556	559	557	555	559	566	575	567	569	573	583	580	567	0	22 20	593	15 30	553	40
29				574	566	565	565	565	564	565	567	570	565	565	564	556	551	551	554	561	568	569	571	575	579	575	574	566	0	21 19	582	14 14	549	33
30				568	565	566	565	564	565	564	568	572	574	568	553	536	532	536	543	554	561	569	575	566	567	569	569	561	0	19 24	579	13 39	529	50
31																																		
MEANS ALL DAYS a)				572	571	570	566	567	567	569	574	577	573	564	556	543	542	549	557	567	573	576	577	579	579	578	575	568						60
MEANS TEN DAYS ✲				570	568	567	567	568	569	573	578	579	573	562	554	535	535	543	552	560	566	569	572	574	575	574	571	565						52
MEANS FIVE DAYS † (G. M. T.)				572	570	569	569	569	571	575	583 582	583 584	576	562	558	532	533	543	553	562	568	572	575	577	577	576	574	567						
MEANS FIVE DAYS ‡ (G. M. T.)				580	579	580	568	571	563	563	571	581	578	572	568	562	560	570	578	588	598	593	593	591	594	589	586	578						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

a) Twenty-nine days only, omitting incomplete day April 5

TABLE 202

VERTICAL INTENSITY

50951 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120th MERIDIAN MEAN TIME)

MAY 1940 — MAY 1940

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			565	559	558	560	560	563	559	560	563	569	571	564	551	548	548	558	563	568	568	568	568	571	571	564	562	0	22 02	578	14 29	547	31
2	✓			561	561	560	555	562	565	561	558	563	563	564	564	561	557	553	554	562	570	570	570	570	569	567	566	563	0	17 50	572	3 42	548	24
3	✓	✓		560	562	563	563	562	562	562	563	566	569	569	557	547	542	537	548	563	569	569	573	576	573	569	564	562	0	20 29	577	14 33	534	43
4	✓	✓		562	560	561	562	562	561	560	561	568	573	572	562	547	543	540	547	558	565	565	567	568	567	565	563	561	0	9 56	575	14 38	538	37
5	✓			561	560	557	560	560	560	559	559	563	571	568	556	546	539	535	540	557	567	567	565	566	564	563	560	558	0	9 45	572	14 44	534	38
6	✓	✓		558	558	557	558	559	562	560	559	562	564	563	557	551	549	548	551	554	558	561	563	564	565	565	561	559	0	22 27	567	14 01	547	20
7	✓			557	556	555	556	557	557	558	559	562	559	552	539	530	532	539	544	556	567	569	571	571	569	566	564	556	0	19 50	573	13 00	526	47
8	✓			559	559	559	556	559	559	560	562	565	566	563	555	548	543	539	543	553	560	562	563	565	565	566	564	558	0	9 40	568	14 43	538	30
9				560	557	556	557	557	557	555	556	561	564	564	556	551	546	546	546	553	559	562	565	571	583	583	567	560	0	22 02	594	14 55	543	51
10				562	560	559	555	554	554	553	555	564	568	568	555	541	540	544	548	554	557	565	571	568	571	566	564	558	1	19 14	575	13 05	536	39
11				565	551	547	554	551	540	554	557	562	561	558	547	542	536	543	554	563	565	566	575	577	568	564	564	557	1	21 00	580	13 15	530	50
12				559	555	554	553	549	557	557	557	561	563	559	551	544	542	548	550	555	565	577	568	566	571	571	560	558	1	19 44	592	14 06	537	55
13				559	560	557	550	555	557	557	548	555	558	550	542	537	543	547	548	553	559	560	561	565	566	566	562	555	0	22 07	568	12 19	535	33
14				559	560	556	558	551	545	546	548	553	556	554	543	544	548	551	556	556	564	566	563	570	571	563	561	556	0	21 07	576	11 40	535	41
15				565	559	559	556	554	553	552	551	559	563	562	560	554	552	548	551	561	573	568	572	574	569	568	558	560	1	17 36	578	15 09	545	33
16				567	558	558	544	557	557	552	549	554	556	559	553	542	537	538	546	558	561	561	561	561	562	561	559	555	0	0 18	568	3 33	534	34
17				558	557	557	555	557	558	557	558	561	564	561	553	546	543	542	546	560	567	567	569	568	562	561	561	558	0	20 05	571	14 42	541	30
18			✓	558	559	559	546	560	560	557	559	559	560	557	557	551	543	552	556	588	589	592	606	618	614	576	570	569	1	20 55	640	3 29	539	101
19				575	571	568	564	568	568	570	574	576	565	557	543	543	543	546	552	563	570	572	571	572	569	566	566	564	0	0 33	580	12 13	539	41
20				560	559	559	561	567	564	564	565	567	564	557	547	531	534	536	547	560	567	569	570	569	571	584	567	560	0	22 57	594	12 50	526	68
21				566	555	557	558	560	560	561	563	567	564	555	543	529	537	541	553	563	567	568	567	567	566	563	561	558	0	18 30	569	12 32	526	43
22			✓	559	556	556	557	555	561	560	561	566	568	553	557	549	555	559	565	564	578	595	593	574	570	572	571	565	1	19 29	612	12 33	545	67
23			✓	575	561	556	557	561	561	562	561	567	569	570	559	554	551	548	551	558	564	565	568	568	568	565	564	562	1	0 27	580	14 43	547	33
24			✓	560	557	555	558	555	551	551	549	554	560	560	551	550	545	560	552	560	588	601	608	621	608	597	590	568	1	20 27	636	12 55	526	110
25				577	569	553	544	537	537	550	555	551	569	572	567	561	554	551	551	557	563	564	565	573	570	573	571	560	0	0 39	593	4 23	526	67
26			✓	570	554	560	555	549	557	556	554	561	566	565	565	561	552	549	545	555	564	565	570	576	575	573	575	561	1	23 13	590	15 13	538	52
27				568	568	563	554	544	544	537	541	534	551	555	558	561	568	558	554	561	566	568	570	567	568	569	568	558	1	1 40	577	8 41	525	52
28				563	554	557	560	557	556	546	546	554	560	560	568	562	564	560	563	563	568	567	571	578	567	570	567	562	0	20 10	585	1 36	543	42
29				567	560	560	560	559	557	556	557	562	565	566	560	553	552	551	553	563	565	562	562	566	564	562	562	560	0	20 49	575	14 37	546	29
30	✓	✓		559	558	556	557	557	557	555	554	561	568	569	560	550	547	545	549	556	563	563	561	561	561	559	559	558	0	10 04	571	14 06	544	27
31	✓	✓		558	558	558	558	558	558	556	555	563	564	564	560	553	548	546	553	559	563	562	561	562	560	559	558	558	0	9 32	565	14 09	545	20
MEANS ALL DAYS				563	559	558	556	557	557	556	557	561	564	562	555	548	546	547	551	560	567	569	571	572	571	568	565	560						45
MEANS TEN DAYS ✻				560	559	558	558	560	560	559	559	564	567	566	557	548	545	543	549	558	565	566	566	567	566	565	562	559						32
MEANS FIVE DAYS † (G. M. T.)				559	558	557	559	559	559	558	558 558	564 564	568	567	559	550	546	543	550	558	564	564	565	566	565	563	561	559						
MEANS FIVE DAYS ‡ (G. M. T.)				571	565	559	555	553	552	554	556	561	565	561	558	553	549	554	554	565	577	584	589	591	587	577	574	565						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 203

VERTICAL INTENSITY

50950 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1940 — JUNE 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		557	557	556	557	557	557	556	556	562	566	561	551	543	541	540	543	552	558	558	559	559	559	557	556	555	0	9 40	567	14 50	538	29
2				553	553	554	557	556	555	555	553	562	563	561	551	548	538	535	544	555	562	563	564	565	568	569	572	556	0	23 38	581	14 13	533	48
3	✓			563	554	554	554	554	556	554	555	562	562	560	552	546	539	539	544	553	558	559	561	562	559	556	556	555	0	0 00	574	14 17	538	36
4	✓	✓		551	551	549	551	552	554	553	554	552	554	552	545	542	538	536	540	551	557	558	558	558	555	552	552	551	0	20 39	559	14 43	535	24
5				551	548	548	550	551	549	547	546	550	549	544	537	530	527	534	538	547	561	559	557	557	557	556	554	548	0	17 16	562	13 06	523	39
6			✓	549	547	546	547	545	547	547	544	548	557	560	564	564	570	558	557	572	585	583	584	581	568	566	568	561	1	17 00	593	8 14	540	53
7			✓	564	561	526	557	540	528	534	531	544	549	545	547	556	553	540	547	553	566	570	566	567	566	571	564	552	1	0 05	583	5 26	521	62
8				561	561	551	551	540	550	554	551	549	554	563	557	552	551	547	545	554	560	558	560	565	565	573	565	556	1	22 15	577	4 20	535	42
9				550	554	554	547	542	550	546	550	554	560	562	549	553	550	543	542	556	572	565	561	561	563	565	570	555	0	23 48	578	4 47	535	43
10	✓			553	552	546	549	550	549	549	544	556	555	550	544	551	549	551	554	554	555	555	556	557	559	559	559	552	0	8 33	562	2 31	537	25
11	✓	✓		557	555	553	553	551	551	549	544	548	557	565	563	557	552	546	544	549	554	555	557	558	558	558	559	554	0	10 50	566	8 02	542	24
12	✓			554	555	553	552	551	550	547	542	546	553	556	549	546	547	541	538	544	552	554	554	554	556	555	555	550	0	10 25	557	15 05	538	19
13	✓			556	553	551	550	549	548	546	543	548	550	545	532	525	526	533	541	548	552	552	553	553	554	553	552	546	0	0 17	556	12 22	525	31
14			✓	551	552	551	551	549	550	549	540	542	542	540	537	533	539	540	545	547	551	559	556	558	564	564	567	549	1	23 38	573	12 23	529	44
15			✓	558	552	549	563	554	535	514	513	541	557	556	554	550	550	557	558	558	579	570	574	539	572	570	566	554	1	17 50	609	7 05	488	121
16				566	556	552	553	551	554	553	551	554	555	561	560	552	544	540	540	567	567	569	567	564	563	567	553	557	1	16 40	578	14 40	535	43
17				553	553	551	552	553	556	550	546	552	561	566	559	549	529	535	547	557	566	564	567	567	568	572	557	555	0	22 28	578	13 40	524	54
18				559	562	560	555	556	550	552	548	552	555	553	548	549	549	562	551	558	570	569	570	568	570	569	565	558	0	19 07	575	15 48	541	34
19				560	558	555	555	554	554	553	549	551	555	555	552	542	548	550	549	560	562	567	565	562	563	564	559	556	0	20 10	578	12 45	537	41
20	✓	✓		559	556	554	554	555	557	556	552	553	556	559	555	552	549	544	546	554	556	558	560	561	561	556	555	555	0	10 07	564	14 39	543	21
21	✓	✓		554	553	552	552	551	552	551	547	552	559	561	555	550	547	542	543	548	549	557	559	561	560	556	555	553	0	20 50	563	15 20	540	23
22				552	551	551	549	550	551	552	549	553	558	554	551	548	543	539	541	547	552	553	553	549	554	557	558	551	0	22 47	562	15 10	538	24
23				553	548	546	546	544	545	546	546	551	554	559	554	546	542	542	543	546	550	554	555	557	558	559	558	550	0	10 45	561	7 18	541	20
24				555	551	549	548	548	550	553	551	557	563	562	554	547	549	550	543	550	554	556	558	564	576	571	570	555	1	21 02	585	14 30	541	44
25			✓	568	560	549	554	550	551	545	540	553	561	564	573	541	544	547	542	544	556	596	574	633	640	611	625	568	2	21 50	688	15 20	531	157
26				610	588	548	564	569	567	562	565	572	571	567	567	568	568	563	566	569	572	567	570	574	573	573	572	570	1	0 00	633	2 47	490	143
27				570	565	567	564	563	561	558	560	564	570	571	567	560	559	554	556	561	567	567	567	574	570	571	566	565	0	20 23	580	14 50	550	30
28	✓			567	566	565	564	564	563	562	561	568	571	571	565	558	549	548	554	563	565	565	563	563	563	563	563	563	0	10 29	574	14 01	545	29
29				563	567	560	560	563	562	560	557	561	564	565	559	554	550	547	551	559	562	563	563	563	563	563	563	560	0	11 45	567	14 14	546	21
30				564	561	560	552	556	556	556	555	558	568	559	549	548	551	545	546	557	563	566	566	565	566	568	571	559	0	23 47	574	12 20	543	31
31																																		
MEANS ALL DAYS				559	557	552	554	552	552	550	548	554	558	558	553	549	546	545	547	554	561	563	563	564	566	565	564	556						45
MEANS TEN DAYS *				557	555	553	554	553	554	552	550	555	558	558	551	547	544	542	545	552	556	557	558	559	558	556	556	553						26
MEANS FIVE DAYS (G. M. T.) †				553	552	552	552	552	551	550	551 547	553 553	558	560	554	549	545	542	543	551	555	557	559	559	559	556	555	553						
MEANS FIVE DAYS (G. M. T.) ‡				572	564	545	558	551	547	543	542	546	553	553	555	549	551	548	550	555	567	576	571	576	582	576	578	559						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 204

VERTICAL INTENSITY

50950 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1940 — JULY 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				570	566	563	562	560	563	561	559	565	568	562	551	550	547	541	543	557	564	563	563	566	564	562	560	560	0	0 00	571	14 40	538	33
2	✓	✓		559	559	560	560	562	563	561	559	562	565	566	556	554	545	543	546	556	561	563	565	566	563	562	560	559	0	10 20	568	14 00	543	25
3				559	559	559	555	560	561	559	558	560	559	555	545	540	542	548	554	562	566	568	569	573	572	565	558	559	1	20 08	575	12 58	538	37
4			✓	557	564	556	545	558	558	558	553	561	567	562	553	558	557	555	554	562	571	571	568	569	570	569	571	561	1	23 40	577	3 35	534	43
5				563	559	550	555	550	549	549	546	555	567	567	557	555	547	552	553	561	568	568	570	573	575	562	565	559	1	21 09	594	7 23	540	54
6				559	555	549	550	558	552	549	551	558	566	562	559	549	546	547	552	561	565	567	569	577	569	566	562	558	0	20 55	584	2 57	533	51
7	✓			561	557	555	555	554	559	560	561	571	575	573	559	548	537	541	550	557	562	565	566	566	570	565	568	560	0	9 54	578	13 28	534	44
8	✓			564	557	557	557	556	556	557	558	563	566	564	557	550	547	544	545	555	560	561	562	564	564	564	563	558	0	9 46	567	14 30	543	24
9				560	556	554	554	553	553	551	549	554	563	565	561	552	548	543	539	548	550	553	557	569	568	571	569	556	1	23 31	576	14 55	536	40
10			✓	564	556	562	554	552	553	552	549	553	555	557	558	552	549	560	548	548	575	568	575	585	561	570	572	560	1	20 53	598	16 03	538	60
11				570	567	556	560	556	557	553	553	557	560	568	553	549	546	549	548	556	567	560	563	566	566	567	564	559	0	1 05	576	6 50	541	35
12	✓			563	564	562	559	554	559	558	558	561	561	558	554	544	549	546	546	551	557	559	560	560	560	561	560	557	0	1 20	565	12 42	541	24
13			✓	561	561	559	558	557	559	557	553	558	561	560	555	546	541	542	550	555	559	567	560	630	619	611	582	565	1	20 32	664	13 04	538	126
14			✓	581	577	580	566	565	565	566	560	566	565	563	560	554	550	556	559	561	576	579	574	547	587	573	576	567	1	21 15	594	7 07	540	54
15				575	568	563	561	563	563	561	561	562	560	562	553	553	551	549	557	563	566	568	570	567	567	573	573	563	1	0 16	581	14 46	545	36
16				571	566	560	562	565	565	562	560	563	566	567	559	551	547	546	549	561	570	567	567	567	566	565	564	562	0	0 05	576	14 40	544	32
17	✓	✓		563	561	561	563	564	563	558	561	566	567	562	559	552	547	543	547	558	567	567	568	567	566	565	563	561	0	9 20	570	14 48	542	28
18	✓	✓		565	563	559	559	560	561	561	558	562	564	563	559	552	551	549	548	554	561	563	565	566	566	566	564	560	0	0 09	569	15 24	546	23
19	✓			563	560	560	559	560	563	561	557	561	564	567	561	551	544	541	548	557	562	564	565	566	565	564	564	559	0	10 15	567	14 19	539	28
20	✓	✓		559	558	556	556	557	551	555	553	561	563	556	549	547	547	545	546	549	556	559	562	563	563	562	559	556	0	9 16	565	14 33	543	22
21				556	555	554	553	554	555	556	556	562	567	567	560	550	550	549	546	549	560	565	573	572	570	568	568	559	0	19 41	580	15 56	543	37
22				561	560	557	553	548	546	549	549	556	564	568	562	557	556	551	552	560	566	570	576	576	582	583	575	562	1	21 54	590	5 10	538	52
23				569	564	556	552	549	553	554	553	554	564	568	563	559	558	552	547	553	561	563	565	569	571	569	568	560	0	0 00	574	15 18	544	30
24				565	563	561	559	559	559	558	555	569	576	576	564	557	548	541	545	555	565	567	564	566	567	568	569	562	0	18 01	580	14 23	538	42
25				566	564	561	557	560	561	558	557	560	565	568	565	557	557	563	559	564	576	567	566	568	568	568	567	563	0	17 40	582	12 55	555	27
26	✓			566	565	563	560	560	560	559	561	568	575	573	566	559	550	544	544	554	564	563	564	566	566	566	568	562	0	10 00	578	14 19	540	38
27	✓	✓		565	561	560	560	560	559	558	558	563	566	565	555	551	545	541	545	555	560	561	562	562	564	565	563	558	0	9 40	569	14 50	539	30
28				562	559	558	558	558	557	557	555	555	556	558	558	556	550	545	544	553	560	563	570	567	570	568	565	558	0	19 04	573	15 02	542	31
29				565	563	562	561	560	560	559	556	560	562	566	558	553	552	556	556	556	563	565	565	568	568	564	562	561	0	21 44	569	13 02	548	21
30			✓	560	559	560	560	551	562	560	558	564	566	567	557	554	548	541	546	555	568	573	571	573	575	569	570	561	1	21 31	577	14 28	538	39
31				560	560	551	548	563	559	554	561	568	571	567	560	561	555	561	555	562	581	572	575	581	575	569	563	564	1	20 47	585	3 17	543	42
MEANS ALL DAYS				564	561	559	557	558	558	557	556	561	565	565	558	552	549	548	549	556	565	565	567	570	570	568	566	560						39
MEANS TEN DAYS *				563	560	559	559	559	559	559	558	564	567	565	558	551	546	544	546	555	561	562	564	565	565	564	563	559						29
MEANS FIVE DAYS † (G. M. T.)				561	559	558	557	558	559	559	558 557	563 560	565	562	556	551	547	544	546	554	561	563	564	565	564	564	562	558						
MEANS FIVE DAYS ‡ (G. M. T.)				570	566	560	558	559	559	557	556	560	563	562	557	553	549	551	551	556	570	572	570	581	582	578	574	563						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 205

VERTICAL INTENSITY

50950 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1940

AUGUST 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				563	562	562	561	563	561	563	567	572	571	566	563	549	545	546	549	558	567	568	568	568	567	566	565	562	0	8	55	580	14 10	545	35
2				564	565	562	562	563	563	563	566	574	578	571	557	554	547	540	548	558	567	568	568	570	573	572	567	563	0	9	43	579	14 12	539	40
3			✓	560	558	557	536	554	557	558	560	566	569	565	563	549	529	526	546	565	573	579	587	600	607	612	582	565	1	21	09	622	14 37	520	102
4				583	573	573	566	567	567	566	564	567	570	570	570	569	564	554	550	559	570	570	574	577	580	577	575	569	0	0	34	588	15 57	547	41
5				571	568	567	567	562	565	564	564	577	585	591	585	573	562	549	547	553	565	569	573	580	582	581	574	570	0	10	10	591	15 10	544	47
6			✓	571	564	564	564	565	555	560	560	572	578	578	575	570	560	541	542	554	564	570	575	578	583	582	575	567	1	22	10	588	14 34	536	52
7				576	566	566	569	558	558	558	545	552	576	580	575	560	546	537	545	553	580	572	575	583	587	590	586	566	1	22	15	596	14 19	534	62
8				579	579	576	561	562	562	561	561	569	580	585	590	585	566	547	547	557	569	573	576	578	579	582	579	571	0	10	58	592	15 00	543	49
9			✓	579	573	572	572	569	566	566	565	569	576	576	565	555	548	545	550	555	585	593	594	605	596	594	588	573	1	20	06	615	14 01	534	81
10				594	602	578	550	557	557	554	558	567	566	566	567	555	542	538	546	559	573	576	575	578	580	577	581	566	0	1	30	614	14 33	536	78
11			✓	578	575	576	570	568	566	563	562	570	575	574	562	550	542	548	550	557	572	570	576	580	589	588	589	569	1	21	45	594	13 36	540	54
12				591	576	571	562	569	567	566	557	567	571	568	557	549	544	548	552	562	569	576	581	586	588	587	588	569	0	23	45	597	13 30	541	56
13	✓			578	574	571	570	571	570	568	567	567	570	569	564	554	554	552	554	560	567	577	578	577	579	579	578	569	0	0	00	590	12 30	550	40
14				574	571	568	568	569	568	563	563	573	575	569	552	549	545	541	547	562	575	577	586	576	579	579	574	567	0	19	37	602	14 07	538	64
15	✓	✓		571	569	565	568	569	569	571	575	577	581	583	573	562	554	549	550	562	572	574	572	573	573	572	570	569	0	10	14	583	14 40	545	38
16	✓	✓		569	566	565	565	565	565	563	564	568	572	573	565	554	546	544	547	555	565	569	571	572	570	569	567	564	0	10	00	575	14 06	543	32
17	✓	✓		565	562	562	562	564	565	565	568	574	576	573	565	556	550	544	541	550	563	569	570	570	570	569	566	563	0	9	53	577	15 20	540	37
18				564	563	562	561	560	560	560	564	576	583	579	569	559	552	544	539	544	559	569	575	578	579	580	577	565	0	23	51	587	15 50	536	51
19				582	586	575	558	555	558	544	555	564	578	585	577	564	554	550	551	558	565	569	572	575	578	581	583	567	0	1	44	592	6 28	539	53
20				585	583	564	559	562	561	561	555	560	566	572	575	564	558	553	549	555	565	572	576	579	578	573	572	567	1	0	09	600	15 10	548	52
21	✓			575	568	561	563	563	564	563	565	570	577	580	578	566	559	555	556	559	565	570	571	573	573	579	578	568	0	22	55	586	14 30	553	33
22	✓			571	566	565	566	563	562	560	560	567	575	576	569	559	542	536	541	554	564	566	568	570	578	584	587	565	0	23	52	592	14 32	534	58
23	✓			583	574	568	558	557	557	556	558	566	573	577	573	565	563	557	559	565	569	569	570	573	576	575	575	567	0	0	21	587	3 52	552	35
24	✓	✓		573	573	566	565	564	564	560	565	578	584	582	571	556	544	539	540	546	560	564	567	569	571	571	570	564	0	9	56	586	14 17	537	49
25	✓			570	571	567	566	566	565	562	565	572	572	565	557	552	548	545	546	552	560	563	566	567	569	570	569	563	0	9	05	573	14 20	543	30
26			✓	569	566	565	564	562	561	554	565	573	574	561	552	542	537	538	541	549	558	559	561	565	571	580	574	560	1	22	36	586	14 15	536	50
27				566	565	564	566	562	552	534	561	576	584	581	567	551	548	547	550	560	566	568	570	571	571	571	575	564	1	9	30	587	6 13	521	66
28				570	566	564	564	563	562	563	565	571	577	576	574	565	546	535	539	559	565	576	568	568	569	569	566	564	0	18	36	582	14 41	533	49
29				565	566	565	559	562	562	565	571	577	576	574	573	566	557	551	550	554	563	570	572	575	569	564	565	565	0	21	26	588	15 17	547	41
30	✓	✓		564	564	565	564	566	569	568	573	584	587	582	572	566	560	549	546	551	561	565	566	567	567	567	566	566	0	9	06	588	15 30	545	43
31				566	563	562	562	561	563	565	569	580	583	581	569	560	551	545	545	552	559	563	566	572	572	572	569	565	0	9	50	586	15 09	542	44
MEANS ALL DAYS				573	570	567	563	563	563	561	563	571	576	575	569	559	550	545	547	556	567	571	573	576	578	578	575	566							50
MEANS TEN DAYS *				572	569	566	565	565	565	564	566	572	577	576	569	559	552	547	548	555	565	569	570	571	573	574	573	566							40
MEANS FIVE DAYS † (G. M. T.)				567	565	564	563	563	564	563	569 566	576 574	580	579	569	559	551	545	545	553	564	568	569	570	570	570	568	565							
MEANS FIVE DAYS ‡ (G. M. T.)				582	576	570	563	563	560	556	557	570	574	571	563	553	543	540	546	556	570	574	579	586	589	591	582	567							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 206

VERTICAL INTENSITY

50950 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1940 — SEPTEMBER 1940

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	567	565	563	563	560	559	563	561	572	581	579	572	564	540	540	544	553	564	571	598	596	606	600	591	570	1	21 28	625	13 44	532	93
2				582	570	570	567	564	565	569	573	579	579	575	563	548	539	540	546	558	567	583	577	585	597	586	585	569	1	21 24	607	14 15	535	72
3				580	574	570	560	563	566	569	574	576	569	583	569	550	532	540	548	559	569	579	584	592	586	584	580	569	1	20 34	595	13 30	529	66
4				573	565	568	573	563	562	568	576	584	585	579	567	549	547	550	550	563	576	590	585	585	584	583	581	571	1	18 20	600	13 35	546	54
5				579	574	570	570	565	557	563	570	586	585	591	580	569	555	547	546	556	570	572	576	579	585	584	578	571	0	9 51	591	15 00	543	48
6				581	576	572	569	559	565	569	572	583	588	584	575	557	549	545	548	562	572	582	579	583	582	582	582	572	0	9 09	590	14 49	544	46
7			✓	579	577	575	574	572	565	566	577	586	587	585	574	566	554	554	562	575	587	603	587	583	596	599	585	578	1	18 33	615	14 13	550	65
8				592	583	576	571	572	562	565	577	589	592	591	577	561	553	551	554	566	574	580	589	582	596	596	595	577	0	19 14	601	5 54	549	52
9				592	590	582	577	575	575	575	580	575	575	578	574	565	560	565	566	570	579	582	585	580	588	588	590	578	0	0 50	604	13 06	555	49
10	✓	✓		594	588	581	577	570	569	574	569	581	580	577	572	562	554	554	562	565	569	572	573	574	574	574	574	572	0	0 45	598	14 26	550	48
11	✓			574	574	574	574	574	573	570	574	579	583	583	574	557	546	545	551	558	569	572	573	576	579	579	579	570	0	10 01	585	13 52	543	42
12	✓	✓		579	575	569	566	568	569	569	574	585	585	582	575	560	548	546	552	561	568	571	572	573	574	574	571	569	0	9 30	586	14 26	545	41
13	✓			570	569	568	567	568	571	571	577	579	576	569	553	536	525	528	543	558	566	567	569	569	569	566	567	563	0	8 22	580	13 50	523	57
14				568	567	565	565	565	566	569	577	588	588	570	544	527	511	521	536	549	564	567	567	570	570	570	573	561	1	8 52	590	13 35	508	82
15				576	571	566	575	558	562	568	572	579	575	569	558	549	545	540	549	561	569	573	574	576	581	577	573	566	1	3 06	585	14 39	538	47
16				571	563	563	560	566	567	569	575	579	579	571	552	529	517	527	546	557	566	570	573	576	581	598	599	565	0	23 18	610	14 47	515	95
17	✓	✓		564	560	557	564	567	570	577	580	579	573	566	550	533	530	536	546	556	565	568	571	572	572	572	570	562	0	7 40	581	13 22	530	51
18	✓			568	567	565	562	564	564	571	578	581	571	550	528	511	503	509	532	553	564	568	571	571	572	571	570	557	0	8 20	583	13 40	502	81
19	✓	✓		569	565	563	562	562	563	569	577	583	582	571	547	522	512	515	531	548	561	566	568	569	571	571	571	559	0	8 50	585	14 11	510	75
20				567	565	564	562	562	563	568	579	587	587	568	545	519	509	518	530	551	557	561	570	574	578	577	586	560	0	9 12	590	13 15	507	83
21				581	566	558	559	556	561	567	571	575	573	568	552	533	526	528	542	552	569	577	586	586	585	585	575	564	1	19 48	608	13 44	518	90
22				565	562	565	565	563	564	565	570	572	575	572	560	540	530	531	538	556	576	572	570	576	579	578	574	563	0	17 50	594	13 50	527	67
23	✓	✓		570	564	562	560	563	564	563	566	573	579	576	560	543	534	540	549	559	566	567	570	572	574	572	571	563	0	9 42	580	13 42	533	47
24	✓			572	571	569	568	567	565	567	576	582	582	569	551	536	533	539	551	566	573	571	569	569	569	570	571	565	0	8 47	585	13 40	533	52
25				571	569	569	568	567	565	570	579	584	582	564	545	532	529	545	551	564	570	572	581	579	575	576	579	566	1	8 38	588	13 40	526	62
26			✓	574	564	578	569	569	572	565	589	586	579	560	541	530	528	536	552	566	571	569	569	570	570	570	572	565	1	7 39	593	13 07	527	66
27			✓	573	566	587	573	561	569	573	574	570	560	539	534	531	537	553	564	578	586	585	588	585	582	576	585	568	1	2 52	602	11 46	528	74
28			✓	578	574	557	570	570	572	573	577	587	579	571	567	560	557	573	573	580	586	599	588	591	594	593	590	577	1	18 14	616	2 17	545	71
29				589	565	574	553	562	578	577	584	583	573	567	559	553	551	559	570	582	586	585	589	586	588	584	583	574	0	22 00	609	3 30	549	60
30	✓			576	576	573	576	578	579	585	593	597	590	574	557	545	539	545	559	573	578	580	581	582	585	581	581	574	0	8 14	599	13 30	538	61
31																																		
MEANS ALL DAYS				576	570	569	567	566	567	570	576	581	580	573	559	545	536	541	550	562	571	576	578	579	581	581	579	568						63
MEANS TEN DAYS ✲				574	571	568	568	568	569	572	576	582	580	572	557	540	532	536	548	560	568	570	572	573	574	573	572	566						56
MEANS FIVE DAYS † (G. M. T.)				570	569	568	567	567	567	569	573 577	580 582	580	574	561	544	536	538	548	558	566	569	571	572	573	573	571	565						
MEANS FIVE DAYS ‡ (G. M. T.)				583	572	573	567	566	569	571	577	580	577	567	558	550	543	551	559	570	579	585	586	585	590	588	585	572						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 207

VERTICAL INTENSITY

50950 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	580	579	576	577	567	579	586	592	597	588	568	548	542	543	558	567	580	590	603	605	608	611	608	601	581	1	22	06	621	13 06	537	84
2				600	599	583	576	571	575	582	585	589	585	571	556	546	546	554	570	577	579	585	597	592	601	600	588	579	1	0	16	621	12 56	543	78
3				581	591	582	575	581	577	584	585	588	582	572	559	545	543	545	564	578	598	601	604	605	606	598	595	581	1	20	44	610	12 52	539	71
4				589	589	563	579	579	582	583	589	600	594	586	565	551	545	546	553	568	579	582	584	587	590	589	588	578	0	8	40	602	13 27	544	58
5				588	581	580	578	579	578	581	586	591	591	581	564	542	536	539	553	567	580	585	587	591	594	597	588	577	0	22	11	613	13 38	534	79
6				584	581	580	578	579	579	582	589	598	595	579	570	560	548	550	556	569	576	579	586	595	602	595	593	579	0	21	05	613	14 03	545	68
7			✓	593	594	587	584	582	579	583	592	585	573	573	568	558	550	558	574	597	597	609	615	627	632	622	639	590	1	22	49	653	13 45	546	107
8			✓	625	629	620	597	569	559	582	587	581	570	582	577	576	576	576	589	605	616	621	616	612	609	605	621	596	1	1	44	640	4 48	533	107
9	✓			606	587	603	580	577	578	587	594	597	600	589	570	560	559	557	563	576	588	589	588	586	584	583	586	583	0	0	00	615	14 30	557	58
10	✓			582	583	582	582	579	582	588	595	597	590	572	543	525	528	533	546	563	576	584	589	590	586	583	579	573	0	19	40	600	12 33	523	77
11				578	577	580	582	583	580	580	589	590	583	570	554	541	541	548	558	574	581	584	584	584	589	585	584	575	0	8	15	598	12 56	538	60
12				579	577	575	574	574	577	584	588	584	576	564	543	522	523	534	546	562	577	579	584	582	577	576	574	568	0	7	33	590	13 02	519	71
13	✓	✓		575	574	571	572	573	571	580	595	594	585	563	544	530	527	539	555	571	578	578	576	578	577	575	574	569	0	7	50	600	13 20	525	75
14	✓	✓		573	573	572	572	573	576	583	589	592	584	569	547	532	531	537	551	567	573	576	576	576	576	574	573	569	0	7	57	593	13 04	528	65
15				572	570	568	567	570	573	581	587	586	571	548	524	512	512	533	547	563	579	582	576	579	577	572	571	563	1	21	05	592	12 56	506	86
16				572	565	563	570	570	577	583	594	598	590	574	557	540	532	535	551	571	582	581	578	578	581	586	584	571	0	8	18	600	13 24	530	70
17	✓			580	571	561	573	567	571	577	585	592	590	574	551	534	528	536	551	563	571	575	575	575	575	576	576	568	0	8	11	599	13 30	528	71
18				574	570	568	568	569	573	580	586	592	582	566	541	524	520	521	555	571	579	583	582	580	579	580	576	567	1	8	37	599	13 00	517	82
19				574	571	573	568	566	573	570	583	583	587	575	559	548	536	532	549	578	591	589	592	601	588	578	575	572	1	19	16	609	14 27	529	80
20				572	568	565	562	562	568	578	592	606	602	595	580	567	552	547	550	565	578	581	581	582	579	581	579	575	0	8	44	609	14 46	546	63
21				576	575	572	569	570	573	577	583	593	584	557	534	527	531	539	554	568	576	588	600	578	577	579	580	569	1	19	14	615	12 20	525	90
22				578	574	571	569	562	565	569	584	591	584	562	543	531	524	552	557	568	575	582	601	599	586	580	579	570	1	19	35	604	13 34	519	85
23	✓	✓		578	577	575	573	572	578	585	592	595	590	578	558	538	532	538	550	565	574	576	576	577	578	578	579	571	0	8	13	597	13 55	532	65
24	✓	✓		579	578	576	576	575	578	585	592	592	585	573	553	540	533	533	543	559	572	574	574	574	575	576	575	570	0	7	55	594	14 19	530	64
25			✓	575	572	572	572	572	575	582	589	589	585	569	550	536	530	532	542	557	569	569	572	582	572	569	568	567	1	8	05	590	14 07	530	60
26			✓	567	567	569	567	566	572	578	580	576	578	566	552	542	540	543	551	559	559	567	574	576	582	612	594	568	1	22	29	629	13 23	538	91
27				606	608	595	576	575	579	571	569	566	553	540	527	529	538	546	566	575	580	589	591	588	581	577	576	571	1	1	20	618	12 09	523	95
28				575	575	572	568	572	581	585	589	590	582	559	543	528	528	533	550	564	579	586	583	582	586	581	580	570	0	21	12	595	13 48	527	68
29	✓			578	577	577	577	562	579	584	586	581	571	551	531	525	532	542	559	574	580	583	586	583	577	575	575	569	0	19	25	587	12 20	524	63
30	✓	✓		573	572	573	571	574	579	583	591	588	576	553	527	517	524	540	555	571	576	577	577	580	580	575	573	567	0	8	01	592	12 47	515	77
31	✓			570	569	569	570	574	580	586	587	579	566	543	520	520	530	543	559	579	596	591	589	585	583	585	589	569	0	17	11	598	12 04	517	81
MEANS ALL DAYS				582	580	577	574	572	576	581	588	590	583	568	550	538	536	543	556	571	581	585	587	587	587	585	584	573							76
MEANS TEN DAYS *				579	576	576	575	573	577	584	591	591	584	566	544	532	532	540	553	569	578	580	581	580	579	578	578	571							70
MEANS FIVE DAYS † (G. M. T.)				574	572	571	571	573	576	583	592 589	592 588	584	567	546	531	529	537	551	567	575	576	576	577	577	576	575	569							
MEANS FIVE DAYS ‡ (G. M. T.)				601	598	594	579	572	573	580	583	586	579	572	559	551	548	553	565	580	586	594	596	601	601	603	605	582							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 208

VERTICAL INTENSITY

50949 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

NOVEMBER 1940 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME) NOVEMBER 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM		MINIMUM		RANGE
																														H M		H M		
1				585	575	566	569	571	579	592	598	596	586	555	525	508	504	524	547	568	580	584	592	597	605	592	586	570	1	21 12	608	12 56	500	108
2	✓			585	581	569	569	572	578	586	595	599	595	575	549	534	529	530	547	571	584	586	592	588	586	583	579	573	0	8 02	602	14 10	526	76
3				578	577	573	572	574	580	590	597	597	594	583	562	544	534	541	552	571	583	602	603	606	606	600	593	580	0	18 25	613	13 45	532	81
4				587	589	586	583	581	582	587	591	594	581	567	551	533	533	540	548	561	577	579	580	587	605	617	614	577	1	21 54	623	13 56	531	92
5				602	602	578	568	570	572	581	582	561	561	542	528	532	538	551	569	581	585	596	599	596	591	589	584	573	1	19 15	615	11 30	522	93
6	✓			577	579	577	577	574	575	579	582	583	577	567	558	547	548	555	565	579	586	583	580	582	585	583	583	574	0	16 56	588	12 50	544	44
7				581	577	580	573	576	577	583	588	588	578	568	556	545	551	556	571	584	586	588	601	594	584	583	581	577	0	19 40	611	13 07	542	69
8	✓	✓		582	581	581	578	582	584	592	604	602	590	574	554	540	542	550	566	577	582	583	582	584	585	587	585	578	0	8 00	607	12 45	539	68
9				583	581	580	580	581	584	594	600	596	586	570	551	529	527	539	556	577	593	606	602	604	611	603	607	581	0	21 38	623	13 00	522	101
10	✓	✓		599	586	579	578	584	594	603	602	591	570	545	522	516	521	538	560	574	582	583	582	580	580	580	580	572	0	0 00	606	12 41	514	92
11	✓	✓		579	578	577	578	580	584	594	594	584	568	550	537	526	531	547	565	578	582	580	579	578	578	578	577	571	0	7 05	597	12 42	524	73
12			✓	576	575	575	577	579	584	596	601	599	587	577	563	543	531	532	537	559	590	608	608	599	602	595	579	578	1	19 10	616	14 00	530	86
13			✓	580	583	575	577	593	587	577	591	584	578	558	531	533	534	551	588	603	607	606	613	607	611	622	603	583	1	19 22	629	13 29	520	109
14				580	576	576	580	585	600	607	610	612	593	570	538	537	543	563	579	592	594	604	598	603	592	586	585	583	1	8 35	618	12 19	534	84
15				584	577	580	582	586	585	597	606	612	599	576	553	537	537	550	570	586	593	591	593	589	590	589	587	581	1	8 40	616	12 29	534	82
16				585	580	579	578	578	583	600	610	611	610	587	562	545	541	539	554	565	581	588	586	586	585	583	586	579	1	8 44	615	14 19	536	79
17				586	589	573	569	574	562	582	603	614	606	586	561	539	531	542	562	580	589	589	587	585	586	585	598	578	0	8 50	616	13 19	531	85
18	✓	✓		589	584	574	566	581	582	582	596	605	597	589	572	550	538	539	555	571	583	586	587	590	591	587	585	578	0	8 52	614	13 57	535	79
19	✓	✓		584	582	579	578	578	580	588	598	599	592	576	558	544	539	548	567	584	588	586	584	585	587	590	585	578	0	8 15	602	13 02	537	65
20				583	581	579	578	578	583	591	602	606	591	563	541	530	540	553	565	579	584	583	580	580	586	592	593	577	1	8 17	609	12 26	528	81
21				590	586	583	583	582	585	598	608	590	584	561	535	531	525	526	547	569	597	618	619	617	608	593	590	580	1	18 49	629	13 45	518	111
22			✓	589	588	585	586	591	592	596	598	581	572	565	551	539	536	550	579	593	609	628	627	615	594	592	592	585	1	18 08	642	13 45	532	110
23				592	592	589	589	579	593	610	599	601	593	558	536	534	528	555	583	603	628	628	622	609	610	602	599	589	1	17 30	637	13 14	523	114
24	✓			596	596	596	596	595	605	612	609	600	587	573	562	556	558	564	573	577	583	587	588	589	591	592	593	587	0	6 44	614	12 45	555	59
25			✓	591	587	588	591	593	587	595	598	589	579	569	563	561	560	566	575	582	602	600	593	603	616	659	639	591	1	22 42	677	13 25	559	118
26				630	599	591	591	599	608	603	600	589	572	552	549	550	557	564	583	602	604	601	602	603	597	589	597	589	1	0 32	651	11 11	546	105
27	✓			582	579	588	589	592	599	605	604	597	581	558	547	547	548	554	569	586	595	596	596	606	613	599	592	584	0	21 45	620	12 58	545	75
28	✓			580	579	577	580	589	597	606	612	609	600	580	559	552	549	555	566	578	588	593	594	597	591	588	590	584	0	8 01	617	13 30	548	69
29			✓	586	584	584	583	587	594	607	608	602	592	569	545	533	539	548	559	575	604	603	604	609	616	634	604	586	1	22 40	642	12 20	530	112
30				597	593	588	582	578	584	592	593	601	591	572	560	548	546	552	565	577	589	597	596	601	595	597	601	583	1	8 21	608	14 00	544	64
31																																		
MEANS ALL DAYS				587	584	580	579	582	586	594	599	596	586	568	549	539	538	547	564	579	591	595	596	596	596	596	592	580						86
MEANS TEN DAYS *				585	582	580	579	583	588	595	600	597	586	569	552	541	540	548	563	578	585	586	586	588	589	587	585	578						70
MEANS FIVE DAYS † (G. M. T.)				581	579	578	578	579	583	593	599 599	596 597	583	567	549	535	534	544	563	577	583	584	583	583	584	584	582	575						
MEANS FIVE DAYS ‡ (G. M. T.)				596	589	584	584	587	594	598	599	591	582	568	551	542	540	549	568	582	602	609	609	607	608	620	603	586						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 209

VERTICAL INTENSITY

50949 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120° MERIDIAN MEAN TIME)

DECEMBER 1940 — DECEMBER 1940

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				591	588	586	580	584	589	592	592	592	586	572	553	551	551	557	569	586	590	596	606	596	596	601	600	584	0	19	19	609	11	50	547	62
2				591	589	580	583	590	594	596	594	597	597	587	555	549	546	554	568	582	592	615	608	602	600	598	595	586	1	19	10	628	13	04	542	86
3				597	587	575	582	585	588	588	601	606	600	589	570	554	553	553	563	575	585	595	603	610	610	616	606	587	0	22	36	619	14	16	551	68
4	✓			595	586	587	587	585	580	596	603	603	593	583	567	554	550	556	562	571	583	592	596	605	603	610	612	586	0	20	26	615	13	17	549	66
5	✓			602	596	588	582	586	592	602	608	595	591	577	560	557	556	562	569	575	581	590	589	587	594	597	599	585	0	7	42	612	13	10	554	58
6	✓	✓		593	584	590	587	589	593	594	592	585	582	571	568	562	558	559	562	573	585	592	590	592	592	594	593	582	0	6	50	600	13	34	558	42
7	✓	✓		591	589	588	590	585	589	590	586	581	575	568	558	557	553	561	571	578	585	589	588	586	587	588	588	580	0	0	52	591	13	30	552	39
8	✓	✓		588	588	588	588	588	594	601	603	593	574	562	548	542	545	552	562	574	581	585	584	585	584	584	585	578	0	6	45	604	13	00	542	62
9				585	586	585	585	587	588	588	588	581	577	563	548	542	542	552	568	580	598	607	600	603	612	604	594	582	0	20	51	616	13	19	539	77
10				594	594	594	594	597	600	598	598	591	585	572	556	553	552	565	569	576	585	592	596	585	584	585	586	583	0	6	18	604	13	26	549	55
11	✓			599	604	586	581	586	593	605	608	600	590	573	563	567	580	592	599	600	596	588	587	588	588	588	587	590	0	6	58	624	11	24	557	67
12				585	582	585	585	585	586	597	601	582	574	559	548	548	557	578	591	602	599	594	592	592	593	589	595	583	0	7	50	613	11	35	547	66
13				591	587	580	582	584	599	604	593	591	575	558	557	559	568	571	587	597	609	599	593	590	589	590	590	585	1	17	34	615	11	02	554	61
14				589	581	579	584	585	594	605	607	592	573	559	557	560	567	573	582	590	594	597	605	608	598	588	586	586	1	19	42	618	11	31	556	62
15				591	596	592	587	584	592	597	603	599	579	556	540	543	548	560	575	586	592	591	593	591	596	606	594	583	1	22	30	619	11	35	538	81
16				581	584	583	581	582	591	596	600	613	610	587	565	551	542	548	561	581	599	601	594	601	605	596	589	585	1	8	56	618	13	10	540	78
17	✓			584	582	585	584	584	594	599	611	608	592	566	548	543	546	553	572	588	591	588	588	597	605	601	592	583	0	7	58	615	12	10	541	74
18	✓	✓		588	586	589	584	583	592	593	596	590	576	554	550	555	556	563	576	592	596	596	599	593	589	589	589	582	0	19	50	606	11	05	550	56
19	✓	✓		590	591	586	584	586	592	599	606	602	586	560	545	539	540	546	560	575	586	589	592	591	586	585	587	579	0	7	58	607	12	10	538	69
20			✓	585	585	584	587	585	593	603	612	604	585	571	560	555	549	546	557	564	581	612	618	620	609	603	610	587	1	20	51	662	14	30	542	120
21			✓	616	584	580	579	581	577	593	596	589	578	564	549	547	556	553	569	590	594	606	612	597	606	606	589	584	1	19	06	641	13	01	543	98
22			✓	594	592	586	587	580	590	599	599	591	583	564	558	555	561	570	577	590	600	598	609	609	606	600	577	586	1	20	27	641	12	33	553	88
23				574	582	587	590	593	597	597	593	585	578	562	549	552	554	563	572	584	592	601	602	615	600	606	605	585	1	20	17	628	11	33	547	81
24	✓			608	588	586	572	582	591	590	586	583	582	573	568	568	574	578	586	595	594	596	599	598	598	597	594	587	0	0	30	614	3	25	558	56
25				594	592	593	591	591	591	597	601	592	583	569	559	567	571	575	592	605	602	605	608	606	605	598	595	591	0	19	48	613	11	25	556	57
26				600	599	592	591	594	602	602	599	581	569	560	556	557	569	583	590	596	607	613	611	609	598	595	593	590	0	18	36	616	11	17	554	62
27				593	594	596	593	594	600	605	598	584	576	567	560	560	570	580	583	595	598	596	595	609	616	603	597	590	0	21	02	632	11	50	557	75
28				589	590	590	593	596	603	606	599	579	565	552	548	552	561	573	588	599	607	598	595	596	595	600	592	586	0	6	18	611	11	00	547	64
29				590	589	589	592	595	589	597	605	592	572	542	534	546	560	569	579	589	599	613	605	594	596	600	600	585	1	18	41	620	11	37	530	90
30			✓	604	599	575	586	590	591	595	589	589	573	555	540	540	541	549	573	610	608	607	606	606	612	608	596	585	1	16	54	622	12	43	532	90
31			✓	602	602	587	585	589	595	601	597	599	596	555	539	541	549	562	571	581	587	591	596	598	599	606	619	585	1	23	25	623	11	56	534	89
MEANS ALL DAYS				593	590	586	586	587	592	598	599	593	582	566	554	552	556	563	574	586	593	598	599	599	598	598	595	585								71
MEANS TEN DAYS *				594	589	587	584	585	591	597	600	594	584	569	558	554	556	562	572	582	588	590	591	592	593	593	593	583								59
MEANS FIVE DAYS † (G. M. T.)				588	588	586	587	586	591	596	597 599	590 592	579	563	554	551	550	556	566	578	587	590	591	589	588	588	588	580								
MEANS FIVE DAYS ‡ (G. M. T.)				600	595	589	586	585	591	598	597	594	583	562	549	548	551	556	569	587	594	603	608	606	606	605	598	586								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 210

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1941

JANUARY 1941

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				184	203	176	154	146	162	178	190	197	200	189	153	130	117	113	109	118	119	118	123	130	144	145	177	153	1	24 00	208	15 38	106	102
2	✓			198	166	153	144	125	155	176	175	173	174	175	153	133	106	91	88	99	114	126	133	134	139	136	137	142	0	0 00	208	15 09	82	126
3	✓			138	138	141	142	144	153	156	174	176	178	171	147	129	115	101	93	102	108	112	119	124	129	132	134	136	0	9 44	183	15 43	88	95
4				136	140	140	134	143	145	159	166	176	185	184	169	144	112	92	83	93	113	123	123	124	126	134	139	137	0	8 53	190	15 24	82	108
5	✓	✓		144	140	134	135	141	145	155	167	175	175	161	144	118	95	83	87	92	99	102	112	118	123	132	148	130	0	8 54	179	14 25	82	97
6				141	137	142	146	154	160	173	176	188	186	195	151	136	130	122	80	82	93	105	109	123	125	133	134	138	1	10 15	215	15 32	71	144
7				133	142	138	141	144	149	156	154	160	169	166	154	149	141	128	123	121	119	119	122	124	130	134	149	140	0	9 03	174	16 53	113	61
8				144	188	174	154	154	168	180	166	174	181	170	154	142	135	134	130	123	132	125	123	123	126	132	133	149	0	1 20	196	0 35	111	85
9				139	135	131	134	143	134	154	175	184	187	168	136	127	94	73	83	103	109	122	135	143	134	166	144	136	1	9 23	196	14 36	71	125
10				136	136	142	141	153	162	183	192	195	184	139	111	93	91	103	112	118	122	120	122	125	141	145	144	138	0	8 22	206	13 01	83	123
11				137	136	145	135	143	157	164	175	173	177	165	154	151	132	110	106	114	116	131	133	136	165	147	143	144	0	21 30	195	15 07	104	91
12	✓			141	139	133	147	140	152	162	180	186	175	137	102	109	122	130	137	144	145	137	135	133	146	150	143	143	0	8 48	192	11 42	96	96
13	✓			138	132	134	137	144	148	165	183	187	171	145	128	121	119	122	125	123	123	124	126	126	130	132	132	138	0	8 58	195	12 59	114	81
14	✓	✓		131	134	142	144	137	154	178	205	214	184	144	103	96	104	114	123	130	127	124	123	123	124	132	133	138	0	8 30	225	11 52	94	131
15	✓	✓		135	135	134	135	149	154	163	188	204	185	150	114	93	91	103	113	122	124	126	121	118	128	125	132	135	0	8 41	206	12 53	88	118
16				137	137	145	148	155	160	173	187	200	180	141	78	48	47	67	86	106	115	113	126	136	146	159	157	131	0	8 46	206	13 00	42	164
17			✓	143	139	140	143	146	165	189	222	270	218	186	153	118	83	63	52	51	72	95	111	103	175	166	161	140	1	8 45	294	15 22	35	259
18			✓	164	196	177	161	166	178	179	186	200	198	179	143	105	86	89	106	117	122	140	124	123	124	132	140	147	1	1 43	219	13 35	83	136
19				135	136	156	135	157	170	181	186	208	217	198	173	136	103	74	77	90	102	120	134	124	149	146	152	144	1	8 48	227	14 48	70	157
20				141	147	145	136	145	143	156	179	196	196	179	146	115	94	90	95	113	122	131	126	132	132	133	134	139	0	9 04	203	15 00	86	117
21	✓	✓		135	136	138	144	148	147	164	184	188	190	187	158	138	115	97	94	105	111	118	123	124	127	131	133	139	0	10 05	199	15 01	91	108
22	✓			136	140	142	141	139	144	157	167	175	167	156	136	119	107	102	94	102	109	106	107	115	118	124	131	131	0	8 41	177	15 26	91	86
23			✓	139	142	147	146	144	147	163	176	173	163	151	138	135	123	116	116	119	125	120	123	135	154	166	182	143	1	23 39	204	15 13	114	90
24			✓	184	179	160	156	158	169	198	204	187	176	146	132	118	106	84	98	106	107	109	132	171	115	151	142	145	1	20 48	280	14 37	74	206
25			✓	186	156	153	157	159	168	183	203	199	182	156	132	113	108	105	114	131	130	146	119	124	151	140	141	148	1	8 46	209	14 23	103	106
26				136	143	130	139	143	161	179	192	177	155	139	116	112	112	114	123	125	125	143	134	137	137	144	140	140	0	7 05	206	12 44	108	98
27				147	139	144	147	152	148	176	187	195	174	136	114	102	90	85	96	114	116	135	134	135	135	148	147	137	1	8 36	199	14 00	81	118
28				137	136	155	141	153	164	194	201	197	180	150	116	92	91	94	105	116	125	117	113	134	135	125	124	137	0	7 16	208	12 44	86	122
29				135	137	136	123	137	156	182	205	204	178	143	116	99	93	91	101	111	120	127	136	131	127	135	136	136	0	8 08	220	14 05	87	133
30				135	136	142	144	146	157	178	199	189	188	168	123	84	74	75	84	103	114	122	125	124	150	151	153	136	0	7 32	207	12 55	67	140
31	✓	✓		158	157	142	147	153	158	175	200	216	218	196	158	117	93	78	86	107	119	125	125	125	132	133	134	144	0	9 30	219	14 30	76	143
MEANS ALL DAYS				146	147	146	143	147	156	172	185	191	184	164	136	117	104	98	101	110	116	122	124	128	136	141	143	140						121
MEANS TEN DAYS ✲				145	142	139	142	142	151	165	182	189	182	162	134	117	107	102	104	113	118	120	122	124	130	133	136	138						108
MEANS FIVE DAYS † (G. M. T.)				137	137	140	142	148	153	166	189 179	199 191	190	168	135	112	100	95	101	111	116	119	121	122	127	131	136	137						
MEANS FIVE DAYS ‡ (G. M. T.)				161	162	155	150	157	169	184	194	206	187	164	140	118	101	91	97	105	111	122	122	131	144	151	153	145						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 211

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1941 — FEBRUARY 1941

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		135	135	138	140	145	147	162	177	189	183	150	109	85	74	66	73	95	112	117	124	149	136	134	136	130	0	8 54	193	14 30	65	128
2	✓			147	154	137	137	138	147	162	178	187	189	178	146	117	96	88	90	108	126	136	142	138	133	131	130	139	0	9 19	197	14 30	86	111
3				130	131	131	138	147	155	169	185	189	191	172	116	63	55	58	64	86	117	139	132	138	145	148	136	131	1	9 46	204	13 30	53	151
4	✓			128	134	132	152	141	137	158	184	189	181	170	149	137	127	116	119	130	141	140	135	137	147	149	147	145	0	8 05	200	14 38	113	87
5				144	137	137	139	148	157	177	198	203	178	165	132	115	104	101	108	125	132	136	135	143	138	156	155	144	1	7 55	212	14 02	98	114
6				135	133	147	143	128	144	174	173	151	157	117	106	103	94	90	106	116	125	137	145	135	156	153	158	134	1	6 47	209	14 10	70	139
7			✓	158	145	141	122	139	156	179	188	173	158	137	125	114	96	106	96	105	120	149	127	126	153	158	146	138	1	7 08	197	13 45	86	111
8				137	115	132	145	130	146	162	158	156	154	130	114	103	105	105	97	104	126	127	142	136	141	140	130	131	1	8 26	168	15 40	92	76
9				144	138	124	133	137	134	156	177	190	197	163	147	129	108	94	103	111	116	117	118	124	126	143	145	136	0	9 10	209	14 24	89	120
10	✓			137	136	135	123	122	142	162	178	179	178	142	125	113	114	116	121	121	118	119	123	137	136	135	137	135	0	8 00	191	4 01	106	85
11	✓	✓		137	137	138	138	137	138	171	179	176	171	146	137	128	115	109	123	130	134	130	126	127	138	143	137	139	0	7 31	187	14 07	106	81
12	✓	✓		138	138	137	148	155	156	175	187	197	184	150	124	117	117	116	117	125	131	130	123	124	127	128	130	141	0	8 54	200	12 05	115	85
13			✓	133	136	139	134	143	150	172	209	225	199	169	130	101	84	73	69	78	85	79	107	119	188	138	143	133	1	8 29	230	16 01	62	168
14				147	156	168	153	156	159	167	195	213	208	177	128	96	78	84	84	97	108	135	109	114	123	124	136	138	1	8 45	235	13 33	73	162
15				139	138	132	126	136	147	168	187	209	228	187	151	106	86	73	70	85	105	117	112	132	136	140	131	135	1	9 15	240	15 10	64	176
16				136	130	137	148	142	149	166	188	208	211	195	160	116	84	75	81	94	109	121	123	122	126	127	138	137	0	9 54	219	14 30	74	145
17				137	136	145	147	140	126	134	156	181	194	195	166	127	95	83	78	90	98	159	135	131	131	129	137	135	1	18 30	218	14 09	75	143
18	✓	✓		137	145	142	126	125	144	163	170	181	187	182	157	135	115	98	95	98	113	121	126	126	127	131	136	137	0	10 03	191	15 06	92	99
19	✓			134	137	137	139	138	141	153	166	175	181	177	159	138	116	91	85	86	97	115	124	123	124	126	135	133	0	9 40	187	15 50	84	103
20				147	151	143	135	136	139	146	157	177	188	185	168	139	115	101	91	93	103	106	114	125	136	135	137	136	0	9 31	192	15 20	90	102
21			✓	140	136	137	139	132	121	137	174	180	201	179	159	139	112	96	88	95	101	104	118	128	143	188	167	138	1	22 50	214	15 52	86	128
22			✓	166	157	126	137	127	123	153	175	210	204	202	169	138	110	87	93	98	102	126	135	164	138	147	150	143	1	8 37	222	4 58	78	144
23			✓	118	139	160	123	150	125	140	176	190	194	191	177	141	109	96	92	96	104	108	117	139	164	147	147	139	1	9 35	202	0 12	63	139
24				115	156	169	146	125	135	140	161	188	211	210	184	134	95	86	86	93	104	115	136	129	135	136	150	139	1	10 00	227	15 42	82	145
25				127	145	125	115	134	136	147	167	188	202	188	162	116	85	76	78	94	105	126	117	125	136	152	145	133	1	9 46	207	14 25	72	135
26				146	143	127	143	129	128	133	157	186	199	189	166	128	97	86	95	101	113	128	135	124	129	134	135	135	1	9 47	215	14 19	81	134
27	✓	✓		137	132	128	125	129	132	145	168	198	214	211	180	132	96	88	86	91	108	120	120	123	126	127	128	135	0	10 04	219	14 30	85	134
28	✓			128	130	134	135	135	136	137	167	210	232	233	208	148	95	79	80	92	103	116	135	120	121	125	128	139	0	9 30	239	15 00	71	168
29																																		
30																																		
31																																		
MEANS ALL DAYS				138	139	138	137	137	141	157	176	189	192	175	148	120	99	91	92	101	113	124	126	131	138	140	140	137						125
MEANS TEN DAYS ✻				136	138	136	136	136	142	159	175	188	190	174	149	125	106	97	99	108	118	124	128	130	132	133	134	137						108
MEANS FIVE DAYS † (G. M. T.)				136	139	137	139	142	146	160	176 181	188 199	188	168	141	119	103	95	99	108	120	124	124	130	131	133	133	137						
MEANS FIVE DAYS ‡ (G. M. T.)				137	145	151	141	138	138	152	173	196	191	176	152	127	102	92	88	94	102	113	121	135	157	156	151	139						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 212

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1941 — MARCH 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	131	128	130	131	129	130	137	152	179	191	207	181	137	42	38	-116	-119	-39	73	72	68	151	196	251	108	2	23 53	416	16 04	-217	633
2				236	353	331	179	174	140	166	152	215	211	192	176	148	119	117	117	138	125	167	128	138	134	137	140	172	1	1 06	551	5 18	93	458
3				150	134	125	121	122	123	121	146	167	176	188	174	159	143	128	117	119	138	147	139	156	133	145	166	143	1	10 08	193	6 00	92	101
4				154	147	151	133	141	140	149	160	172	176	173	172	148	119	110	108	97	109	137	117	123	129	169	177	142	1	23 03	225	16 40	92	133
5				148	130	138	135	119	68	106	124	146	171	180	178	159	138	108	100	96	109	126	143	158	147	158	149	135	1	22 19	225	5 32	41	184
6				156	148	104	136	131	93	136	144	167	179	189	185	157	129	114	106	106	116	138	132	135	136	142	139	138	1	10 57	199	5 15	67	132
7				146	157	142	128	131	137	147	158	176	184	182	169	147	111	91	89	95	100	114	122	134	135	138	138	136	0	10 05	200	14 56	86	114
8	✓			141	140	138	110	126	137	127	147	165	179	168	155	132	107	97	101	106	116	118	119	125	132	138	136	132	0	10 00	191	3 55	85	106
9				138	144	143	126	114	101	128	150	173	188	177	161	137	107	94	95	96	107	116	123	128	131	137	137	131	0	9 30	194	14 13	86	108
10	✓	✓		131	127	132	120	114	130	137	123	148	168	162	148	133	115	106	97	107	116	123	126	128	132	130	136	129	0	9 47	177	15 13	96	81
11				136	135	127	134	136	137	137	157	167	168	168	157	136	117	106	99	105	110	117	124	130	131	129	130	133	0	10 05	177	15 43	98	79
12	✓			131	136	137	136	142	135	117	158	179	198	188	167	137	113	97	96	99	106	107	112	114	128	136	142	134	0	9 38	199	6 05	86	113
13				143	146	148	138	148	147	145	155	177	189	171	147	115	96	95	95	106	113	117	118	123	126	128	130	134	0	9 28	197	14 00	91	106
14			✓	147	145	154	165	146	128	117	136	179	174	148	146	96	72	39	64	77	71	112	95	137	143	145	142	124	1	20 19	220	14 56	2	218
15				130	137	126	129	127	132	129	119	160	177	179	166	149	138	133	108	113	115	106	137	127	117	126	137	134	1	10 13	184	2 44	86	98
16	✓	✓		138	148	135	137	146	132	127	137	152	165	173	159	138	123	115	107	108	115	118	125	128	129	127	127	134	1	10 11	179	15 54	105	74
17	✓	✓		129	130	135	137	138	141	148	160	178	187	180	155	123	106	95	96	97	110	119	122	123	128	128	128	133	0	9 30	189	14 47	89	100
18	✓			134	135	134	135	135	138	141	157	178	189	184	159	127	104	95	91	96	108	118	122	126	127	128	128	133	0	9 54	196	15 41	87	109
19				131	130	134	135	137	138	151	137	170	183	173	153	127	108	92	90	89	94	101	104	165	157	157	138	133	0	20 21	190	15 02	86	104
20				136	138	150	148	170	158	158	168	178	179	169	156	137	118	85	82	86	106	139	125	148	149	148	159	141	1	9 10	191	15 06	72	119
21				159	141	145	132	129	117	133	157	170	173	157	137	125	108	100	87	89	105	122	130	136	140	138	130	132	1	9 14	183	16 06	82	101
22				138	138	129	106	129	138	149	156	169	180	172	160	132	114	87	91	95	115	126	138	166	146	140	148	136	1	20 30	207	14 50	76	131
23				151	170	150	130	127	140	152	156	169	178	174	158	138	118	97	91	88	100	118	131	126	127	130	131	135	1	9 27	182	16 19	84	98
24	✓			131	148	138	150	139	122	117	135	158	174	170	154	130	108	97	95	106	116	130	125	126	136	137	142	133	0	9 36	182	15 04	91	91
25	✓			131	129	127	127	138	122	135	150	157	151	148	131	108	98	97	97	105	136	125	120	123	130	135	127	127	0	8 20	164	14 13	92	72
26	✓	✓		131	132	130	126	142	140	146	156	178	188	180	162	138	116	108	107	105	116	117	121	127	128	130	129	136	0	9 30	190	16 34	101	89
27	✓	✓		132	136	136	137	139	137	146	159	176	159	137	124	108	96	94	100	108	116	120	125	125	125	130	127	129	0	8 43	179	14 32	93	86
28			✓	128	130	132	134	137	138	144	155	187	176	147	124	97	81	84	97	98	93	117	126	152	230	171	190	136	1	21 31	271	18 12	65	206
29				138	158	148	143	110	119	140	149	158	159	146	133	124	100	100	107	116	123	127	127	139	157	156	148	134	1	21 05	192	4 52	66	126
30			✓	113	136	152	137	136	132	116	156	175	170	157	136	114	94	97	105	134	126	143	156	164	175	152	130	138	2	18 50	221	0 44	84	137
31			✓	103	127	171	110	168	127	66	89	142	110	131	98	85	113	116	105	152	132	174	201	127	134	133	133	127	1	19 42	340	5 55	5	335
MEANS ALL DAYS				140	146	144	134	136	130	134	147	170	176	170	154	130	109	98	91	97	107	124	126	133	139	142	144	134						150
MEANS TEN DAYS *				133	136	134	132	136	133	134	148	167	176	169	151	127	109	100	99	104	116	120	122	124	130	132	132	132						92
MEANS FIVE DAYS † (G. M. T.)				132	133	133	135	137	138	143	147 158	166 177	173	166	150	128	111	104	101	105	115	119	124	126	128	129	129	133						
MEANS FIVE DAYS ‡ (G. M. T.)				147	179	182	136	133	129	128	131	172	164	158	137	106	80	75	51	68	77	124	130	130	167	159	169	131						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 213

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1941 — APRIL 1941

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			127	119	136	119	87	129	138	146	157	170	171	158	138	120	110	113	123	128	130	135	136	136	137	137	133	0	10	10	179	4 39	77	102
2				138	135	135	134	132	128	126	138	159	171	173	156	129	113	107	113	116	118	125	129	138	156	146	147	136	0	10	11	179	14 20	105	74
3				139	138	136	133	124	105	128	146	164	173	168	156	134	119	110	106	114	123	127	132	139	137	141	149	135	1	9	44	178	5 27	87	91
4	✓			157	143	138	109	124	131	132	128	156	171	165	150	128	109	102	107	113	127	135	132	133	129	134	133	133	0	9	44	180	3 38	86	94
5	✓			133	130	131	130	129	128	131	147	160	159	149	144	128	113	104	109	116	119	125	128	129	128	130	128	130	0	9	03	165	14 06	102	63
6				133	136	130	132	135	128	128	135	159	166	141	127	122	116	108	109	111	116	120	125	127	128	139	137	130	0	9	03	169	13 55	103	66
7			✓	137	133	133	133	130	128	129	154	175	166	144	120	108	99	101	103	105	113	116	118	126	128	128	136	128	0	8	47	178	13 14	96	82
8				135	134	134	134	128	125	140	151	144	161	148	129	118	115	111	113	112	112	119	121	132	131	133	132	130	0	9	05	170	14 43	107	63
9				134	134	112	133	133	136	138	138	149	160	150	131	108	107	93	91	103	116	117	131	149	142	166	145	130	0	22	33	172	15 54	80	92
10			✓	124	129	132	130	134	133	137	149	169	179	168	138	115	101	85	96	108	117	120	131	129	129	133	154	131	1	23	32	191	14 28	78	113
11				138	151	127	122	137	152	128	160	170	163	149	127	117	114	97	107	98	135	127	127	135	156	140	145	134	1	9	26	179	14 41	89	90
12				136	137	125	128	122	128	134	145	159	169	161	140	117	98	110	96	108	117	124	123	139	128	135	127	129	0	9	26	174	15 15	88	86
13	✓			129	130	133	134	135	137	139	147	164	166	160	148	130	117	107	114	118	123	124	127	134	132	133	133	134	0	9	00	170	14 51	104	66
14	✓	✓		131	131	131	129	129	128	133	138	153	158	157	147	126	109	104	105	108	114	118	125	130	127	128	129	129	0	9	42	160	14 59	101	59
15	✓			131	129	128	128	131	131	135	147	169	179	169	145	119	111	109	113	116	118	125	126	129	130	130	130	132	0	9	35	180	14 24	107	73
16				133	131	129	130	129	131	136	139	169	147	150	139	117	102	99	102	108	114	117	155	120	151	136	129	130	0	8	59	179	13 50	98	81
17				130	130	130	131	134	135	137	141	153	160	156	137	119	108	101	93	101	108	106	117	121	128	131	131	127	0	9	02	165	15 38	89	76
18				129	128	132	129	134	137	141	157	180	160	162	148	127	114	106	107	108	113	116	118	128	137	131	136	132	0	8	01	192	14 53	98	94
19			✓	139	137	130	132	133	140	114	143	159	162	148	134	116	94	87	88	118	90	101	116	136	139	150	154	128	1	22	50	179	16 10	76	103
20				134	137	112	128	136	138	139	151	160	158	143	131	117	108	96	99	104	112	121	126	133	130	135	132	128	0	8	36	166	15 05	88	78
21				130	128	131	130	118	120	129	136	159	161	158	144	118	103	102	100	111	119	134	133	134	148	134	131	130	0	9	09	180	13 32	96	84
22	✓	✓		129	127	123	123	125	129	137	143	157	164	160	138	116	102	95	101	109	116	120	124	127	128	133	136	128	0	9	57	168	14 29	87	81
23	✓	✓		133	128	121	127	128	134	135	148	158	163	159	144	130	118	113	109	110	117	118	129	130	129	129	129	131	0	9	52	164	16 10	108	56
24			✓	129	128	127	127	128	130	137	149	161	170	160	139	114	93	82	86	73	92	103	128	151	160	201	169	131	2	22	18	270	16 57	55	215
25			✓	162	121	137	139	77	97	95	121	118	127	117	122	117	109	98	118	117	145	150	127	139	140	149	117	123	1	0	05	181	4 29	40	141
26				125	131	94	111	107	119	127	128	148	159	151	141	135	124	119	117	118	138	119	127	132	134	136	133	128	0	17	45	166	2 35	77	89
27	✓	✓		128	128	127	128	127	127	111	119	143	154	149	137	122	113	105	108	115	126	129	127	129	132	134	131	127	0	9	37	158	14 43	100	58
28				129	129	127	126	122	126	128	139	150	161	158	140	118	108	107	105	109	117	119	124	137	140	145	136	129	1	9	57	166	15 14	101	65
29				147	149	136	108	117	63	118	133	120	118	132	114	117	110	113	122	124	123	128	129	132	131	132	130	123	1	1	26	150	5 50	27	123
30	✓	✓		130	129	129	128	126	124	128	141	151	162	160	147	127	113	108	110	117	123	123	125	127	127	128	127	130	0	9	38	167	14 20	107	60
31																																		
MEANS ALL DAYS				134	132	128	127	125	127	130	142	156	161	155	139	122	109	103	105	110	118	122	127	133	136	139	136	130							87
MEANS TEN DAYS ✲				133	129	130	126	124	130	132	140	157	165	160	146	126	112	106	109	114	121	125	128	130	130	132	131	131							71
MEANS FIVE DAYS † (G. M. T.)				129	128	126	127	128	130	133	138 144	152 158	160	157	143	124	111	105	107	112	119	122	126	129	129	130	130	129							
MEANS FIVE DAYS ‡ (G. M. T.)				139	135	121	127	117	126	126	142	156	161	147	131	114	99	91	98	104	111	118	124	136	139	152	146	128							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 214

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1941 — MAY 1941

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				125	126	125	127	129	128	130	139	150	158	158	148	131	117	107	102	109	121	126	123	126	127	128	128	129	0	10	02	160	15	45	105	55
2	✓	✓		136	143	148	127	105	124	123	128	140	149	148	138	117	108	106	102	107	119	126	127	129	136	142	138	128	0	2	31	154	4	42	93	61
3	✓	✓		131	139	127	124	116	127	123	121	140	149	145	139	128	109	102	105	115	123	126	127	133	135	136	131	127	0	9	26	152	14	50	99	53
4				127	127	126	121	117	122	127	132	146	159	160	143	118	98	81	57	87	106	109	126	130	136	138	133	122	1	10	04	162	15	12	49	113
5	✓	✓		135	134	129	129	134	128	130	139	149	161	167	154	132	118	115	107	111	118	122	125	127	128	131	132	131	0	10	20	169	15	44	105	64
6				132	128	127	127	127	128	129	135	148	157	155	144	135	127	116	107	100	113	116	120	136	131	135	135	130	0	20	12	161	16	12	98	63
7	✓			134	135	137	127	127	128	130	132	143	151	149	135	115	99	97	90	101	114	119	126	129	131	132	133	126	0	9	41	151	15	20	87	64
8				130	129	125	126	129	127	130	136	147	155	158	149	131	116	103	96	101	112	116	117	109	129	129	128	126	0	10	10	159	15	36	94	65
9				129	127	127	121	140	148	129	137	151	156	153	146	123	107	94	86	97	108	116	127	136	150	133	132	128	0	9	50	161	15	27	80	81
10				130	128	130	129	122	127	129	131	128	128	137	131	118	111	97	96	103	118	119	126	126	134	136	132	124	0	10	46	140	15	40	82	58
11	✓			134	134	126	127	127	127	127	127	139	144	145	130	121	118	109	108	109	117	119	130	132	127	128	129	126	0	9	27	154	14	57	105	49
12				127	127	126	124	126	127	128	128	136	140	141	135	121	118	110	108	113	120	123	125	127	128	129	130	126	0	10	10	145	15	20	107	38
13				128	129	128	130	130	129	139	135	140	139	126	123	117	103	92	95	99	117	118	117	121	128	137	132	123	0	8	08	149	14	12	87	62
14	✓			132	133	125	126	136	132	130	127	139	145	148	138	127	121	117	114	118	123	122	123	129	127	132	128	129	0	10	23	150	16	02	110	40
15	✓			128	125	127	129	129	130	130	123	113	135	140	136	127	106	105	111	111	117	119	123	129	130	131	131	124	0	9	56	147	13	28	103	44
16				129	126	127	125	125	126	128	138	138	133	148	138	128	125	103	89	98	112	116	135	129	136	141	152	127	1	23	05	168	15	27	85	83
17			✓	131	121	124	122	125	127	127	129	137	147	148	138	115	89	63	92	86	108	151	118	135	163	148	137	124	1	18	12	219	14	33	52	167
18				130	127	129	127	119	125	118	126	139	150	154	145	139	128	113	107	108	118	124	127	130	132	136	137	129	0	10	39	157	15	54	104	53
19	✓	✓		131	127	127	109	108	127	118	129	143	150	150	148	132	124	116	110	114	122	125	128	129	131	133	133	128	0	9	59	158	4	13	97	61
20	✓	✓		129	128	127	127	127	127	127	127	136	147	149	138	128	119	109	104	109	118	124	126	129	130	130	129	127	0	10	20	150	15	11	102	48
21			✓	126	122	119	120	121	119	118	117	124	139	140	139	131	118	110	97	96	107	118	126	128	130	129	145	122	0	23	33	155	15	47	92	63
22			✓	139	131	131	108	116	117	101	105	117	126	127	109	109	111	112	104	101	118	128	150	148	145	150	147	123	1	19	43	180	6	10	74	106
23			✓	133	126	119	124	75	117	119	123	132	138	145	143	139	138	117	104	109	119	123	135	181	140	139	143	128	1	20	42	221	4	36	26	195
24			✓	138	137	127	111	98	104	87	77	108	107	120	128	120	108	107	105	116	124	127	138	147	148	154	150	120	1	22	41	160	7	16	68	92
25				150	149	130	116	107	107	110	108	108	129	141	145	140	140	122	114	109	119	126	131	138	149	149	148	129	0	1	12	158	4	57	79	79
26				150	148	129	127	122	102	95	117	119	132	141	147	137	129	112	110	111	119	124	137	128	130	137	131	126	0	1	23	155	6	04	83	72
27	✓			128	128	125	124	118	121	101	107	118	131	141	139	136	127	120	116	115	121	125	126	130	133	129	127	124	0	10	35	147	6	44	87	60
28				127	129	127	115	123	120	118	118	117	128	137	137	137	120	113	103	103	107	126	129	138	132	135	136	124	0	20	07	157	15	06	98	59
29				144	132	123	115	117	114	109	109	118	128	137	132	127	120	106	94	106	113	126	133	139	138	132	133	123	0	0	18	149	15	24	87	62
30				131	130	127	121	118	114	113	116	122	129	138	129	119	113	107	103	107	118	123	127	129	134	133	129	122	0	10	42	145	15	55	102	43
31				128	128	126	127	127	128	127	126	136	139	120	137	136	125	117	105	109	123	129	129	131	131	149	142	128	0	22	40	170	15	58	103	67
MEANS ALL DAYS				132	131	127	123	121	123	121	124	133	141	144	138	127	116	106	101	106	117	123	128	133	135	136	135	126								72
MEANS TEN DAYS ✲				132	133	130	125	123	127	124	126	136	146	148	140	126	115	110	107	111	119	123	126	130	131	132	131	127								54
MEANS FIVE DAYS † (G. M. T.)				129	129	125	124	122	125	125	129 126	142 139	151	152	143	127	116	110	106	111	120	125	127	129	132	134	133	128							
MEANS FIVE DAYS ‡ (G. M. T.)				138	134	127	117	103	114	107	108	124	131	136	131	123	113	102	100	102	115	129	133	148	145	144	144	124								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

△ = NO RECORD

TABLE 215

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1941 — JUNE 1941

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				129	127	116	116	125	124	122	121	127	135	137	132	117	109	103	106	113	118	127	128	128	133	128	128	123	0	10	11	138	3 06	86	52
2	✓	✓		127	118	120	118	118	119	119	118	118	128	134	130	126	118	109	107	112	118	125	127	128	128	128	127	122	0	10	24	137	15 19	105	32
3	✓	✓		126	124	119	120	124	125	125	121	127	128	131	126	118	108	103	101	107	118	119	125	127	128	128	128	121	0	10	22	134	15 48	99	35
4	✓	✓		127	127	126	124	122	123	125	125	128	136	138	138	135	118	108	107	115	120	126	127	128	128	128	126	125	0	10	59	140	14 49	106	34
5	✓	✓		120	118	117	116	116	117	117	118	127	138	139	139	132	124	109	99	106	117	120	127	128	128	128	127	122	0	11	00	141	15 39	96	45
6				123	120	118	118	118	119	125	127	131	138	147	138	128	120	115	108	111	118	118	119	127	127	134	128	124	0	10	58	148	15 49	107	41
7	✓			126	120	118	118	120	120	121	121	129	138	148	146	135	124	115	102	107	117	119	124	126	128	128	131	124	0	10	34	149	15 41	100	49
8	✓			129	127	124	119	121	123	121	118	126	131	138	138	129	118	108	101	106	117	119	120	127	128	128	128	123	0	10	28	139	15 56	96	43
9				128	122	119	118	118	120	118	118	127	133	133	126	118	118	108	108	115	118	123	127	129	133	138	131	123	0	22	40	138	14 29	107	31
10			✓	129	128	128	127	124	127	120	113	116	117	125	131	129	109	96	77	81	97	111	117	126	147	148	147	120	1	21	58	168	15 33	72	96
11			✓	157	131	130	127	125	118	118	115	118	120	126	133	138	135	118	109	118	128	128	130	132	128	128	127	127	1	0	43	169	7 58	80	89
12				123	127	118	118	119	124	118	118	126	130	136	131	128	127	113	107	115	118	125	127	135	138	129	129	124	0	22	00	161	15 00	100	61
13			✓	128	137	134	129	132	128	123	118	121	125	132	133	123	112	105	77	56	91	119	128	134	146	123	128	120	1	18	59	241	16 33	46	195
14			✓	128	128	159	138	117	97	92	78	57	69	77	100	110	103	108	119	118	123	128	132	147	129	130	128	113	1	2	49	177	8 25	25	152
15			✓	127	122	119	118	117	114	97	103	107	109	118	119	123	127	107	96	110	122	109	128	143	149	148	139	120	1	17	01	160	16 13	87	73
16	✓	✓		137	131	129	118	117	118	118	123	127	128	129	127	118	110	108	108	116	123	128	129	131	131	130	127	123	0	0	22	146	15 04	107	39
17				125	119	118	118	119	121	125	125	133	148	153	151	139	120	105	97	108	117	119	139	128	133	131	128	126	1	11	20	157	15 44	95	62
18				126	124	115	118	128	135	108	75	69	96	110	108	117	121	118	109	118	127	128	128	128	128	128	127	116	1	5	00	143	7 32	62	81
19				119	118	117	118	118	119	120	121	128	130	130	127	118	109	107	108	112	118	119	118	118	126	136	138	120	0	23	09	142	14 43	104	38
20				135	134	123	118	123	109	112	113	108	123	132	121	127	117	107	108	101	118	128	135	140	140	146	140	123	1	20	26	150	16 20	97	53
21				136	128	120	117	107	116	117	101	117	137	149	148	131	116	107	97	108	118	128	129	130	131	130	128	123	1	11	05	157	15 00	82	75
22				127	123	117	107	117	118	120	118	110	126	131	130	128	126	107	105	112	128	124	125	128	130	130	130	122	0	17	15	145	15 33	96	49
23	✓			128	127	122	117	115	113	106	109	118	128	137	130	120	114	108	107	110	119	125	126	126	127	127	128	120	0	11	00	139	6 17	96	43
24				126	118	119	117	118	115	119	118	128	138	145	139	131	119	110	108	111	118	127	126	128	136	150	128	125	0	22	12	168	15 25	107	61
25	✓			130	124	116	116	97	116	117	97	117	128	127	127	120	116	117	117	117	122	124	124	124	123	124	123	119	0	0	47	133	4 15	81	52
26				120	118	117	117	108	117	109	103	92	109	127	125	118	115	108	108	117	125	126	127	131	128	129	128	118	0	20	47	138	8 30	77	61
27				126	119	114	108	98	106	108	108	118	128	139	137	125	111	97	80	96	116	118	127	129	140	138	126	117	1	21	58	164	15 39	76	88
28				119	119	118	118	117	117	117	118	128	137	139	139	129	118	112	107	109	123	120	122	127	127	132	127	122	0	10	50	145	15 37	98	47
29				125	118	117	116	111	117	116	117	118	125	138	136	127	112	101	100	108	118	123	127	127	127	125	123	120	0	10	47	140	15 04	96	44
30	✓			119	117	113	109	117	116	117	118	127	137	140	139	132	119	109	107	108	116	119	126	128	129	128	128	122	0	10	12	143	15 39	100	43
31																																			
MEANS ALL DAYS				127	124	121	119	118	118	116	113	117	126	133	131	126	117	108	103	108	118	122	126	130	132	132	129	122							62
MEANS TEN DAYS ✲				127	123	120	118	117	119	119	117	124	132	136	134	126	117	109	106	110	119	122	126	127	128	128	127	122							42
MEANS FIVE DAYS † (G. M. T.)				124	122	120	119	120	121	123	121 123	125 129	132	134	132	126	116	107	104	111	119	124	127	128	129	128	127	123							
MEANS FIVE DAYS ‡ (G. M. T.)				134	128	131	124	119	114	109	107	104	108	116	123	125	117	107	96	97	112	119	127	136	140	135	134	119							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 216

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				121	117	117	117	117	117	117	118	127	139	145	128	110	106	96	96	106	116	121	127	128	127	127	127	119	0	10	10	147	14	40	88	59
2	✓			123	120	120	118	119	122	117	119	136	149	153	148	132	118	108	99	108	116	117	119	123	127	128	127	124	0	10	50	156	15	39	97	59
3				126	120	120	119	126	120	122	128	138	148	152	147	122	108	99	97	108	117	120	126	129	126	124	130	124	0	11	21	156	15	25	95	61
4			✓	134	127	117	117	117	113	117	119	128	135	136	129	117	99	87	78	95	107	110	117	128	128	129	129	117	1	0	49	150	15	28	66	84
5			✓	131	146	150	141	138	138	130	136	118	119	119	108	119	95	50	46	154	69	270	262	242	49	149	242	138	2	19	00	453	22	33	-199	652
6			✓	118	128	135	137	139	128	150	159	171	172	179	181	172	158	146	138	137	161	171	176	184	173	198	159	157	1	21	58	236	5	31	75	161
7			✓	169	181	159	129	115	118	108	119	80	67	128	135	94	106	101	132	110	98	106	119	129	135	139	139	122	1	1	00	202	8	53	33	169
8				137	128	128	122	126	126	126	128	139	146	146	138	128	118	115	112	118	110	119	126	128	141	140	139	128	0	10	10	151	15	48	107	44
9				132	127	120	105	119	126	122	120	134	149	160	159	139	128	118	118	118	122	124	123	125	131	148	130	129	1	22	07	180	3	27	84	96
10				128	127	126	120	121	118	119	112	106	120	127	121	117	109	117	118	124	125	127	127	129	139	139	149	124	1	23	12	158	13	37	100	58
11				149	129	118	102	65	66	102	115	128	139	139	140	138	117	100	87	87	97	111	119	120	127	128	136	115	0	0	52	161	5	21	24	137
12				137	130	128	129	127	127	127	120	121	128	128	127	117	108	101	92	99	113	119	126	147	138	127	128	123	0	20	39	162	15	30	86	76
13	✓	✓		126	120	120	120	120	119	119	117	120	138	140	139	128	117	108	108	115	120	127	126	127	127	127	126	123	0	10	21	145	15	30	107	38
14	✓	✓		121	120	119	118	118	118	118	119	127	139	143	140	133	127	120	115	113	119	126	127	127	127	125	125	124	0	10	30	147	16	10	109	38
15	✓			121	119	119	118	117	111	117	118	126	132	143	145	128	110	101	99	107	117	119	124	128	127	128	127	121	0	11	10	148	14	50	97	51
16				124	119	116	117	116	116	117	117	120	132	140	145	132	122	116	99	105	117	118	125	127	127	127	125	122	0	11	37	147	16	01	96	51
17				118	125	134	118	107	106	107	95	105	124	134	137	129	135	126	117	116	116	121	124	126	127	127	127	121	0	11	32	138	5	16	87	51
18	✓			119	109	106	111	116	115	116	116	119	127	138	147	137	126	113	108	115	117	118	122	126	126	126	125	121	0	11	38	148	1	51	95	53
19				119	117	109	116	108	116	115	112	116	126	127	130	130	120	115	99	104	116	117	121	124	126	122	120	118	0	12	10	137	2	44	94	43
20				120	118	117	109	114	116	112	107	115	127	138	146	136	127	117	106	99	109	117	122	126	127	126	125	120	0	11	03	146	16	41	95	51
21			✓	126	118	117	117	99	107	117	115	120	128	125	122	126	106	67	77	78	104	116	127	136	143	144	134	115	1	19	05	177	16	30	37	140
22				127	129	126	108	108	126	124	127	128	133	147	136	135	127	110	102	99	109	117	126	129	137	138	146	125	1	23	59	158	3	19	83	75
23				146	127	118	119	117	118	120	126	137	139	148	137	129	117	95	87	94	109	107	116	121	122	127	127	121	0	0	00	157	15	25	78	79
24				126	123	117	118	118	117	119	111	97	117	126	136	136	127	107	107	106	107	116	120	122	126	125	128	119	0	11	56	139	8	02	75	64
25				130	127	117	117	117	117	118	120	128	139	147	137	118	101	95	82	88	106	116	117	127	129	129	127	119	0	10	41	149	15	00	65	84
26	✓	✓		127	117	117	108	117	116	116	117	132	149	157	156	146	124	105	97	104	116	118	120	122	126	126	122	123	0	10	32	158	15	19	96	62
27	✓	✓		118	117	116	114	112	113	113	116	124	147	160	154	142	118	109	98	96	108	117	118	122	124	116	116	120	0	10	48	162	16	08	94	68
28	✓			111	111	107	109	111	110	111	107	122	136	147	146	135	118	107	98	98	109	107	121	118	118	118	118	116	0	10	52	149	15	51	96	53
29	✓	✓		117	116	116	117	117	117	117	115	118	136	146	147	136	122	106	99	100	108	116	117	120	124	121	118	119	0	11	01	148	15	59	95	53
30	✓			117	117	116	117	115	117	116	114	120	136	143	137	119	109	93	87	95	106	116	117	118	119	120	120	116	0	11	06	145	15	25	84	61
31				117	117	115	110	107	109	115	111	119	136	138	138	136	127	109	96	96	106	116	117	119	119	117	117	117	0	11	24	140	16	23	95	45
MEANS ALL DAYS				127	124	121	117	116	116	118	118	123	134	142	140	130	118	105	100	106	112	124	128	132	127	131	133	123								91
MEANS TEN DAYS *				120	117	116	115	116	116	116	116	124	139	147	146	134	119	107	101	105	114	118	121	123	124	124	122	121								54
MEANS FIVE DAYS (G. M. T.) †				118	117	115	115	115	114	115	117 115	124 124	142	149	147	137	122	110	103	106	114	121	122	124	126	123	121	121								
MEANS FIVE DAYS (G. M. T.) ‡				136	142	140	127	125	127	128	134	123	124	137	135	126	113	90	94	115	108	155	160	164	126	152	161	131								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 217

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1941

AUGUST 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				116	115	115	116	116	106	100	106	118	133	145	139	128	109	96	85	82	93	111	116	118	125	125	125	114	0	11 10	146	16 00	76	70
2			✓	128	126	121	117	116	126	126	112	135	142	142	126	118	104	75	65	49	45	93	107	116	127	217	171	117	1	22 30	258	17 29	35	223
3				162	152	147	134	134	123	115	117	118	126	135	133	127	117	103	94	89	100	117	119	117	125	126	126	123	0	0 04	176	16 41	86	90
4			✓	116	118	126	126	126	106	115	116	125	116	126	125	109	76	98	85	104	82	106	159	156	176	135	167	121	2	19 20	281	22 25	9	272
5				187	159	146	146	125	115	76	97	88	73	106	144	146	145	136	127	118	116	119	117	118	116	117	137	124	1	0 12	228	9 28	54	174
6				138	135	126	124	96	89	69	87	118	137	147	151	144	126	105	90	106	125	125	137	140	136	147	156	123	1	22 42	165	4 21	49	116
7				146	127	115	126	106	75	76	41	44	85	120	137	138	131	121	103	106	110	116	126	118	125	126	126	110	1	0 06	161	8 26	17	144
8	✓			136	125	119	118	115	108	90	83	106	129	138	140	136	126	109	95	99	109	117	118	118	119	119	118	116	0	1 10	147	7 29	76	71
9	✓	✓		118	117	117	116	113	111	111	112	125	146	156	154	141	125	106	95	95	106	116	116	119	118	119	123	120	0	10 50	157	16 08	93	64
10	✓	✓		117	116	115	115	115	111	110	109	125	143	148	143	126	110	101	95	96	106	114	115	116	117	117	116	116	0	10 50	150	15 42	94	56
11	✓			116	116	116	115	114	113	113	113	123	135	150	152	134	113	105	91	85	101	115	116	118	117	116	116	117	0	11 12	158	16 12	76	82
12				116	112	104	96	105	101	97	96	121	131	131	127	116	104	94	88	96	106	116	115	117	126	121	116	110	0	9 35	136	15 22	86	50
13				116	115	115	115	115	109	113	106	112	125	126	126	126	115	105	96	98	107	119	116	117	124	118	118	115	0	9 55	134	15 41	94	40
14				117	113	111	112	114	114	109	100	106	125	136	141	136	125	106	96	97	105	113	115	116	124	116	116	115	0	11 39	146	15 49	93	53
15	✓			116	116	116	112	115	115	115	116	126	126	135	136	128	125	115	107	105	107	115	116	116	118	116	116	118	0	10 47	139	17 00	102	37
16	✓	✓		115	115	115	116	115	116	109	106	115	126	135	134	131	120	108	105	104	105	113	115	116	116	120	119	116	0	10 50	136	16 42	102	34
17	✓	✓		116	113	106	108	111	111	112	115	130	142	146	145	130	116	103	94	95	106	113	115	115	116	116	115	116	0	11 02	148	15 50	93	55
18				115	115	113	109	108	107	105	102	115	126	136	136	131	123	106	94	92	96	107	113	115	116	116	116	113	0	11 10	137	15 56	91	46
19				119	116	106	106	96	104	108	115	126	138	145	135	125	119	94	88	87	94	104	105	123	125	136	126	114	1	9 33	153	4 56	76	77
20	✓			127	125	118	118	115	110	110	106	125	136	149	151	136	116	106	94	95	101	106	109	115	116	120	124	118	0	11 00	156	15 48	87	69
21				126	118	116	116	115	116	115	116	135	151	159	150	125	105	90	88	86	94	106	115	117	122	121	123	118	0	10 28	160	16 40	83	77
22	✓			117	117	119	100	114	113	112	111	127	146	156	156	138	123	106	95	94	102	108	115	115	116	116	116	118	0	11 00	158	16 30	93	65
23	✓	✓		115	115	114	111	105	106	113	116	133	148	159	156	138	117	95	85	86	97	109	115	115	116	116	116	116	0	10 38	160	15 49	84	76
24				115	115	113	111	111	115	110	116	135	149	158	157	146	129	119	94	86	102	105	107	113	115	116	117	119	0	10 15	164	15 50	76	88
25				115	114	115	113	106	110	106	95	106	120	136	141	142	136	115	95	88	97	108	109	112	115	116	115	114	0	12 50	145	16 30	87	58
26			✓	115	110	138	117	140	126	125	122	127	129	138	142	135	116	105	95	72	74	73	88	97	117	126	137	115	1	2 55	158	16 54	63	95
27			✓	156	149	167	168	158	155	136	112	109	104	110	127	121	99	97	65	54	83	136	97	113	131	150	145	123	1	3 43	179	17 16	45	134
28				138	137	128	109	128	140	85	126	119	135	135	135	128	130	117	81	73	80	119	98	112	127	122	127	118	1	1 49	157	6 40	61	96
29			✓	128	120	122	124	117	125	123	127	137	137	147	146	138	127	116	102	95	117	107	109	116	168	165	134	127	1	22 07	218	17 06	81	137
30				132	121	147	138	125	108	116	112	52	99	120	137	129	125	112	109	104	107	111	117	129	127	136	129	118	1	11 20	168	8 31	51	117
31				128	127	118	109	115	117	117	120	120	135	137	138	137	126	110	97	97	107	115	117	119	118	118	118	119	0	11 10	140	3 54	90	50
MEANS ALL DAYS				127	122	121	118	116	113	108	107	116	129	139	141	132	119	106	93	91	99	111	115	118	124	127	127	117						91
MEANS TEN DAYS *				119	118	116	113	113	111	110	109	124	138	147	147	134	119	105	96	95	104	113	115	116	117	118	118	117						61
MEANS FIVE DAYS (G. M. T.) †				116	115	113	112	112	111	110	112 111	126 126	141	149	146	133	118	103	95	95	104	113	115	116	117	118	118	117						
MEANS FIVE DAYS (G. M. T.) ‡				155	144	147	139	134	128	106	113	127	126	133	133	124	104	98	82	75	80	103	112	120	144	159	151	122						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 218

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1941 — SEPTEMBER 1941

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1				115	114	115	117	115	108	102	106	107	125	133	142	135	125	105	94	84	106	105	106	107	111	118	139	114	1	23	53	177	16	25	82	95
2				114	144	123	127	122	115	115	105	105	123	138	145	139	125	115	105	86	97	108	115	106	135	128	115	119	0	1	25	166	0	27	75	91
3	✓			115	117	106	109	100	98	105	113	134	152	163	159	147	127	105	92	91	103	105	107	110	113	114	114	117	0	10	58	166	16	14	85	81
4	✓	✓		114	113	112	112	105	104	102	98	112	126	139	143	138	118	95	83	86	103	107	107	112	113	114	114	111	0	10	55	145	15	33	79	66
5	✓	✓		114	114	107	106	105	99	94	95	112	134	149	157	153	128	104	93	93	101	106	108	111	112	113	113	113	0	11	51	158	15	55	90	68
6	✓	✓		113	114	113	113	110	105	103	104	114	129	146	147	133	113	95	91	94	100	105	106	108	112	112	113	112	0	11	12	149	15	35	91	58
7				115	113	111	108	105	104	105	114	132	143	146	143	118	97	85	75	81	86	95	106	112	157	171	124	114	1	22	12	227	15	16	64	163
8	✓			119	109	107	106	74	85	106	122	142	144	141	134	122	108	95	86	87	95	112	115	115	115	116	115	111	0	9	10	146	4	46	43	103
9				114	115	112	108	97	86	87	100	125	136	150	151	134	115	96	84	84	95	105	106	107	109	114	113	110	0	10	54	156	5	09	76	80
10	✓			112	112	108	108	106	110	114	125	125	138	146	143	119	105	94	93	89	96	107	106	107	109	112	111	112	0	10	38	148	16	30	87	61
11	✓			113	112	107	114	114	114	113	120	135	146	147	144	130	113	105	94	89	97	106	107	125	122	130	124	118	0	20	54	156	15	28	85	71
12	✓	✓		119	123	122	119	117	109	105	115	129	145	144	138	134	119	103	87	85	94	104	108	106	108	109	113	115	0	9	51	149	15	48	84	65
13			✓	113	112	113	113	113	114	115	121	133	138	143	135	123	100	84	83	84	91	91	90	98	143	158	146	115	1	22	37	183	16	02	76	107
14				134	135	145	123	118	116	116	106	125	152	146	135	114	84	54	81	56	93	103	106	126	115	120	117	113	1	9	46	162	14	43	42	120
15			✓	115	115	109	105	105	101	76	116	145	146	150	136	114	86	77	76	84	103	115	100	115	123	125	108	110	1	9	12	157	6	35	61	96
16				116	118	133	154	125	82	113	124	147	134	156	156	125	90	75	75	83	94	105	108	110	113	114	114	115	1	11	02	167	5	37	63	104
17				113	113	115	104	114	105	94	98	131	149	157	155	123	94	77	73	62	94	105	106	113	123	126	133	112	0	10	40	162	16	34	4	158
18			✓	126	114	122	115	112	107	112	125	146	164	180	154	113	55	43	4	-32	24	25	223	77	184	211	125	110	2	21	31	334	20	52	-175	509
19			✓	138	303	202	351	118	121	-18	-56	59	94	84	187	182	149	146	103	118	143	117	133	125	119	116	114	131	2	3	02	517	6	22	-209	726
20			✓	117	115	94	35	48	120	148	160	170	176	171	164	138	103	92	94	98	114	156	154	150	147	135	128	126	1	19	33	285	3	47	-68	353
21				125	117	118	123	122	125	133	141	146	146	149	127	115	105	83	84	93	106	124	106	115	125	112	127	119	1	20	05	187	15	03	71	116
22	✓	✓		132	119	116	116	117	120	128	133	156	158	155	144	123	105	95	87	91	94	105	108	109	112	112	113	119	0	9	55	162	15	31	85	77
23				113	112	112	115	115	115	106	125	134	146	145	127	108	93	76	73	74	93	104	105	110	124	157	163	114	0	23	32	180	16	15	65	115
24				155	124	124	114	111	118	125	135	143	146	148	134	120	103	86	86	92	95	106	107	128	135	115	117	119	0	0	22	175	15	09	81	94
25				114	115	115	118	132	118	117	136	105	135	146	132	112	90	76	71	95	95	101	95	105	120	133	134	113	1	7	28	155	15	12	64	91
26	✓			146	143	133	115	82	122	127	136	150	154	155	147	132	115	101	91	89	94	103	105	105	106	106	109	119	1	10	50	156	4	05	64	92
27				113	112	113	115	114	115	115	125	135	138	136	118	112	93	83	78	84	91	96	105	107	114	114	117	110	0	8	53	145	14	35	75	70
28				117	118	121	106	116	121	124	127	140	149	154	142	117	101	90	86	93	95	103	105	105	105	108	122	115	0	10	40	156	15	05	85	71
29				130	125	123	116	115	107	107	132	148	156	157	143	110	88	77	76	85	99	108	106	105	108	110	117	114	0	10	47	166	15	40	74	92
30				114	113	116	108	107	92	95	120	148	156	146	132	115	86	73	74	90	96	106	118	105	105	108	120	110	0	9	10	164	14	30	67	97
31																																				
MEANS ALL DAYS				120	124	119	120	108	109	106	114	131	143	147	144	127	104	89	82	83	96	105	113	111	121	124	121	115								136
MEANS TEN DAYS ✻				120	118	113	112	103	107	110	116	131	143	148	146	133	115	99	90	89	98	106	108	111	112	114	114	115								74
MEANS FIVE DAYS † (G. M. T.)				114	113	111	111	110	107	105	109 112	125 125	138	147	146	136	117	98	88	90	98	105	107	109	111	112	113	113								
MEANS FIVE DAYS ‡ (G. M. T.)				126	158	138	157	106	113	98	95	131	144	146	155	134	99	88	72	70	95	101	140	113	143	149	124	121								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 219

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

·OCTOBER 1941 — OCTOBER 1941

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				123	115	114	107	91	105	115	134	147	164	157	135	114	93	83	82	91	101	106	108	108	113	116	113	114	0	10 00	169	15 02	76	93
2				110	109	105	107	108	113	124	137	154	163	157	136	116	103	92	85	90	94	103	110	105	106	109	114	115	0	9 48	166	15 27	83	83
3	✓			116	114	113	122	114	126	120	134	147	154	148	133	99	84	75	77	85	95	104	107	113	114	115	115	114	0	10 03	156	14 21	74	82
4	✓	✓		115	114	113	114	114	114	117	134	148	165	165	138	103	74	64	71	84	99	105	105	105	106	107	111	112	0	10 08	167	14 46	63	104
5				110	111	112	114	113	115	124	136	140	164	160	143	114	82	78	83	83	94	106	117	106	106	106	113	114	0	9 30	168	14 41	74	94
6		✓		113	106	113	113	114	115	124	129	139	157	163	154	126	103	73	62	71	76	*91	95	103	106	107	112	111	0	10 32	167	15 15	59	108
7	✓	✓		114	114	113	111	110	112	116	136	156	166	158	136	110	83	63	72	85	96	104	103	104	105	105	105	112	0	9 40	175	14 35	61	114
8				106	106	107	107	106	109	118	127	154	162	156	144	115	95	68	64	84	96	105	106	106	106	106	108	111	0	9 09	176	15 24	61	115
9				119	132	124	114	114	114	126	144	155	156	153	124	99	82	73	73	84	97	106	106	108	123	116	107	115	0	8 50	164	15 00	72	92
10				107	106	108	106	104	103	108	123	144	156	157	136	106	82	63	63	74	87	94	96	101	104	105	105	106	0	10 03	164	14 48	54	110
11			✓	112	114	113	106	103	114	123	145	157	162	159	145	110	67	32	33	45	44	89	93	133	128	135	123	108	1	9 38	165	14 52	21	144
12			✓	125	113	135	93	105	125	146	95	123	148	157	140	120	96	71	64	74	87	104	118	125	114	115	117	113	1	10 14	172	3 42	43	129
13				105	104	105	107	109	110	117	127	145	164	160	139	105	74	63	58	72	84	105	106	105	114	115	110	108	0	9 57	166	15 12	54	112
14				107	104	95	106	108	115	126	113	164	186	187	168	135	95	68	63	74	85	96	103	110	117	117	146	116	0	10 05	189	15 01	61	128
15				125	114	114	110	114	117	125	137	153	165	171	156	115	74	51	55	64	74	92	105	107	113	112	116	112	0	10 17	176	15 00	44	132
16			✓	124	125	124	105	122	124	118	131	143	153	159	124	104	81	71	71	85	94	103	104	106	125	113	109	113	1	10 13	157	15 27	64	93
17	✓	✓		114	133	107	108	115	91	119	134	149	163	158	137	111	78	62	63	82	85	93	104	104	105	106	112	110	0	9 59	165	14 25	60	105
18	✓			107	106	106	106	105	110	115	134	161	177	176	152	114	74	52	54	71	84	92	93	102	104	105	106	109	0	9 58	182	14 54	45	137
19				113	115	115	115	112	115	121	138	157	166	156	129	102	74	55	55	71	82	85	91	102	115	124	115	109	0	9 20	167	15 02	51	116
20				148	119	112	106	107	113	124	144	163	165	155	133	104	81	65	54	75	82	89	93	96	104	107	112	110	0	9 33	172	15 22	50	122
21	✓	✓		110	105	106	112	106	113	126	145	154	152	147	122	102	83	73	74	89	95	96	96	96	101	102	103	109	0	8 21	155	14 30	70	85
22			✓	104	105	107	107	111	112	118	133	146	154	144	119	91	65	52	53	71	83	95	95	95	107	113	116	104	1	9 44	157	15 21	44	113
23				125	184	168	154	147	153	166	155	176	179	167	138	91	60	54	64	82	96	106	105	107	116	127	121	127	0	1 31	245	13 52	53	192
24				116	113	84	113	116	115	124	144	146	156	153	127	113	94	82	80	84	95	102	104	107	114	121	137	114	0	9 53	157	2 15	57	100
25	✓			119	117	115	91	98	125	142	147	158	153	141	116	90	72	65	68	77	90	97	103	102	104	112	107	109	0	8 23	164	3 58	48	116
26				111	110	111	112	114	120	128	135	145	153	146	132	111	90	75	74	81	92	110	94	104	103	104	104	111	0	9 04	154	15 42	72	82
27	✓			105	106	107	120	103	103	111	131	141	144	136	111	93	81	77	80	83	93	103	110	108	112	114	112	108	0	8 40	151	14 25	74	77
28	✓			110	108	108	105	105	105	126	145	153	152	144	123	102	85	79	78	81	90	103	113	111	112	122	118	112	0	8 57	156	14 30	75	81
29	✓			105	96	93	104	113	123	132	134	154	147	146	130	102	80	70	71	75	92	94	101	101	105	104	104	107	0	8 37	159	14 19	68	91
30				110	111	112	113	112	122	133	147	162	157	143	123	108	86	79	71	76	87	93	100	100	104	123	114	112	0	8 38	166	15 32	67	99
31			✓	110	111	107	111	114	123	132	145	160	165	152	125	94	59	46	71	79	90	97	102	103	120	121	121	111	1	9 08	167	14 22	20	147
MEANS ALL DAYS				114	114	112	110	111	115	125	135	151	160	156	134	107	82	67	67	78	88	99	103	106	111	113	114	111						110
MEANS TEN DAYS ✲				112	111	108	109	108	112	122	137	152	157	152	130	103	79	68	71	81	92	99	104	105	107	109	109	110						99
MEANS FIVE DAYS † (G. M. T.)				108	108	109	109	109	112	118	136 133	149 151	161	158	137	110	84	67	68	82	90	98	101	102	105	105	109	110						
MEANS FIVE DAYS ‡ (G. M. T.)				121	135	136	117	113	116	130	130	146	156	154	131	104	74	54	58	71	80	98	102	112	119	119	117	112						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 220

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1941 — NOVEMBER 1941

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1			✓	134	142	165	125	89	102	101	141	144	142	113	91	75	71	80	88	81	87	144	125	145	150	90	185	117	1	2	06	22	23	197
2	✓			182	151	113	114	113	126	142	151	154	146	133	113	93	82	82	84	92	95	96	97	102	105	110	112	116	0	0	00	13	56	108
3	✓			113	111	113	114	112	122	136	145	149	151	143	125	96	74	76	69	84	95	97	93	91	95	108	122	110	0	9	01	15	32	92
4	✓	✓		110	104	101	99	98	97	114	136	155	176	165	140	113	95	79	80	101	106	113	105	103	104	103	92	112	0	9	22	14	57	107
5				91	93	94	101	100	104	112	131	151	146	138	120	103	94	86	92	102	103	102	96	97	105	117	126	108	1	8	34	14	33	73
6			✓	106	110	123	106	80	112	108	142	162	175	158	121	89	59	40	60	69	98	123	125	124	131	122	123	111	1	21	31	14	19	190
7				111	142	121	116	115	115	114	133	160	168	165	148	113	92	71	87	80	91	100	100	112	113	111	112	116	0	9	32	14	42	111
8				102	104	103	113	116	125	125	145	163	166	158	133	99	69	51	63	73	110	100	102	104	122	131	120	112	1	9	54	14	38	137
9				115	112	92	114	114	123	135	146	152	149	142	116	92	73	63	70	80	91	100	103	117	123	144	155	113	0	22	55	14	37	113
10			✓	125	116	113	113	109	114	132	142	147	145	135	113	89	63	53	52	62	82	89	93	103	144	165	133	110	1	22	10	14	56	140
11				121	135	140	106	113	126	144	153	125	132	131	104	82	70	61	65	77	91	112	97	104	101	109	107	108	0	7	23	14	17	104
12				111	101	104	111	105	115	132	135	154	157	144	115	90	64	68	72	84	95	103	104	103	104	113	110	108	0	9	18	13	40	102
13				113	110	111	113	111	97	117	134	144	147	144	116	91	74	64	70	77	84	91	111	106	107	112	112	106	0	10	04	14	27	89
14	✓			112	112	113	112	112	122	136	147	163	166	152	131	102	82	62	59	70	81	94	103	101	104	105	111	110	0	9	00	15	25	115
15	✓	✓		118	113	114	114	117	121	128	126	134	138	138	126	105	89	80	80	82	88	93	95	94	102	111	114	109	0	10	14	14	55	66
16	✓	✓		110	108	111	111	115	123	144	156	157	151	126	91	72	61	61	65	72	83	92	95	94	99	102	103	104	0	8	13	13	43	106
17			✓	106	106	110	112	116	123	143	170	180	155	102	79	61	44	39	45	81	102	91	94	120	138	152	126	108	1	22	33	14	02	184
18				162	135	136	135	126	132	158	175	178	164	135	111	92	77	68	74	83	84	101	123	125	111	116	112	121	1	8	18	15	02	134
19				103	116	113	112	116	145	154	172	177	173	139	112	78	63	68	75	89	100	104	97	110	94	95	102	113	0	8	45	13	32	126
20				104	108	112	104	103	113	130	166	175	173	157	134	102	74	58	60	78	90	96	92	92	102	102	103	110	0	8	29	15	49	132
21				104	105	103	91	103	121	143	163	168	162	146	110	81	60	51	59	73	83	91	92	94	101	117	124	106	0	8	24	14	13	130
22				109	104	102	95	92	90	111	121	152	166	162	124	62	38	31	40	65	90	92	92	92	103	113	117	98	0	9	43	14	22	143
23				115	112	111	101	62	81	105	124	149	165	165	151	142	103	81	69	74	86	93	100	103	113	114	115	110	0	9	32	4	48	126
24	✓	✓		113	113	111	110	112	104	111	122	141	154	156	151	124	101	92	82	81	77	83	92	94	102	103	111	110	0	10	24	17	43	90
25	✓			106	104	109	106	104	103	122	132	142	146	144	135	120	91	63	52	62	71	81	84	85	94	105	105	103	0	9	27	15	17	109
26	✓	✓		111	111	113	104	100	105	113	124	140	149	155	155	142	108	81	61	61	72	86	92	110	105	106	113	109	0	11	13	16	10	100
27				112	110	105	104	103	110	113	123	134	145	153	152	123	82	43	50	53	71	76	91	92	103	104	104	102	0	11	45	14	37	134
28			✓	103	105	104	102	103	111	122	134	152	170	157	141	101	72	12	11	31	80	95	80	83	93	101	102	99	1	9	49	14	34	-11
29				102	92	71	110	93	76	121	136	146	148	136	115	96	88	81	73	81	93	102	101	104	109	108	106	104	0	3	12	2	50	1
30	✓			111	102	101	102	103	115	142	164	186	183	154	131	102	82	75	83	93	103	103	100	101	110	104	112	115	0	8	36	14	49	73
31																																		
MEANS ALL DAYS				114	113	111	109	105	112	127	143	154	157	145	123	98	76	64	66	76	89	98	99	104	110	113	116	109						124
MEANS TEN DAYS ✻				119	113	110	109	109	114	129	140	152	156	147	130	107	86	75	72	80	87	94	96	98	102	106	110	110						102
MEANS FIVE DAYS (G. M. T.) †				105	104	106	107	108	113	127	133 142	145 153	154	148	133	111	91	79	74	79	85	93	96	99	102	105	107	109						
MEANS FIVE DAYS (G. M. T.) ‡				136	131	116	116	112	115	136	150	157	157	133	109	83	62	45	51	65	90	108	103	115	131	126	134	112						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

△̄ = NO RECORD

TABLE 221

DECLINATION

3° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1941

DECEMBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1			✓	111	103	103	100	94	112	131	142	163	165	141	109	82	63	46	41	18	27	51	85	95	174	197	216	107	1	22	00 300	16	24 -1	301
2			✓	137	162	196	182	164	169	182	194	175	144	122	102	69	72	80	82	96	112	115	105	132	117	131	116	132	1	0	05 217	12	21 55	162
3				105	83	91	87	95	114	137	165	183	183	154	118	92	75	74	82	94	103	105	103	95	102	104	102	110	0	9	06 187	1	33 70	117
4				103	106	102	97	82	101	127	155	193	196	180	135	77	49	39	44	51	63	91	125	116	142	125	123	109	1	9	14 204	14	37 33	171
5				121	122	116	115	92	110	126	147	174	178	167	137	100	73	63	75	85	101	105	102	103	114	112	103	114	0	9	50 182	14	08 62	120
6				105	109	108	94	105	106	107	129	178	179	168	125	79	48	45	54	80	95	95	89	88	95	104	113	104	0	9	00 206	13	27 40	166
7				111	118	113	111	113	116	123	148	175	187	175	152	112	62	41	36	54	81	92	94	92	96	104	112	109	0	9	43 194	15	28 31	163
8	✓			110	107	105	102	106	114	130	143	174	175	161	125	82	43	37	42	53	74	86	89	93	94	108	120	103	0	9	25 177	14	17 31	146
9				110	116	110	111	114	121	133	153	176	188	176	143	103	61	41	34	59	77	90	102	132	125	110	119	113	0	9	22 193	15	10 29	164
10				104	103	102	105	115	125	145	154	162	174	156	116	83	70	54	60	71	75	85	91	104	113	115	126	109	0	9	31 178	14	36 53	125
11	✓	✓		112	105	105	107	113	122	143	166	183	178	161	134	113	83	69	63	67	77	84	89	90	103	103	104	111	0	8	40 185	15	38 62	123
12	✓	✓		103	101	102	105	109	113	124	143	161	175	173	144	113	88	73	64	71	77	82	90	93	105	115	120	110	0	10	00 183	15	28 63	120
13				110	100	100	104	110	115	131	144	149	156	154	138	113	85	69	52	48	51	54	70	88	109	118	116	104	0	9	46 162	16	20 44	118
14			✓	134	139	116	126	132	141	152	161	153	136	134	111	102	85	75	70	71	63	88	91	112	114	142	130	116	1	8	15 183	17	17 53	130
15				119	114	112	104	101	100	123	143	153	151	140	130	94	88	79	80	81	82	87	91	92	111	113	105	108	0	8	17 161	14	44 73	88
16			✓	102	104	105	106	108	106	123	124	135	156	147	116	91	75	68	72	75	85	90	88	92	93	95	107	103	0	10	16 166	15	01 61	105
17				104	103	103	103	105	113	125	137	157	158	153	123	94	83	64	57	60	73	84	84	90	90	94	111	103	0	9	22 166	16	35 54	112
18				114	112	107	112	116	110	106	143	168	157	143	124	113	85	70	55	65	73	93	90	85	84	90	95	105	1	8	45 185	15	07 42	143
19				104	107	96	111	115	128	141	153	165	169	164	144	117	95	76	70	81	85	93	97	94	95	105	109	113	0	10	00 175	15	39 64	111
20	✓	✓		104	101	94	95	102	111	127	148	168	169	153	124	95	80	64	67	78	85	95	98	99	103	111	121	108	0	9	00 178	14	40 63	115
21	✓	✓		105	101	102	104	110	115	127	145	172	174	155	124	96	73	60	61	67	77	89	90	92	94	95	95	105	0	9	10 178	15	08 54	124
22	✓			95	95	102	103	104	115	122	134	144	153	147	132	107	72	53	54	61	72	83	85	90	94	95	100	100	0	9	50 156	15	01 50	106
23				104	115	112	111	111	114	117	123	135	157	149	116	95	81	54	47	53	64	76	79	91	102	109	124	102	0	9	27 163	15	50 44	119
24				145	141	126	121	118	117	124	124	122	137	133	115	104	93	84	77	81	82	87	102	101	102	105	104	110	0	0	32 162	15	48 74	88
25	✓	✓		105	105	110	107	98	113	113	122	134	142	138	121	92	70	56	55	60	73	84	89	93	93	95	101	99	0	9	54 145	16	02 53	92
26	✓			100	102	101	101	102	111	114	115	117	122	124	117	106	90	82	76	76	80	82	88	92	103	105	95	100	0	10	55 125	18	05 74	51
27			✓	103	108	104	103	102	106	85	95	114	114	110	96	83	73	70	68	80	83	86	92	92	91	100	115	95	0	9	06 126	14	27 63	63
28				115	106	106	107	109	114	120	111	117	133	127	117	86	78	73	72	82	92	93	90	90	93	102	109	102	0	10	10 140	15	11 63	77
29				102	96	102	98	91	106	124	145	132	146	135	111	94	84	83	81	82	90	92	91	92	94	93	96	102	0	9	23 153	15	30 76	77
30	✓			102	111	106	104	103	98	123	135	134	129	114	91	65	56	60	74	93	95	93	93	98	95	94	101	99	0	7	44 143	13	04 53	90
31	✓			109	119	114	112	105	115	134	146	139	145	132	114	94	81	73	81	85	90	92	92	92	94	102	105	107	0	9	17 152	14	18 68	84
MEANS ALL DAYS				110	110	109	108	108	115	127	142	155	159	148	123	95	75	64	63	70	79	88	92	97	104	109	113	107						122
MEANS TEN DAYS *				104	105	104	104	105	113	126	140	153	156	146	123	96	74	63	64	71	80	87	90	93	98	102	106	104						105
MEANS FIVE DAYS † (G. M. T.)				103	100	101	103	107	114	124	145 136	164 149	168	156	129	102	79	64	62	69	78	87	91	93	100	104	108	106						
MEANS FIVE DAYS ‡ (G. M. T.)				116	114	122	117	115	122	137	150	148	143	131	107	85	74	68	67	68	74	86	92	105	118	133	137	109						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 222

HORIZONTAL INTENSITY

23975 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1941 — JANUARY 1941

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				724	712	692	697	701	704	706	714	709	700	700	706	715	713	717	720	715	713	713	715	718	722	713	715	711	1	23	20 730	2	37 688	42
2	✓			691	697	707	717	717	712	716	714	712	720	724	725	724	721	723	723	725	717	715	714	712	713	718	713	715	0	15	17 728	0	38 684	44
3	✓			717	718	718	720	727	730	730	727	727	730	729	724	722	718	714	718	721	723	726	729	731	732	736	737	725	0	23	54 740	15	15 712	28
4				737	734	736	739	736	740	742	745	759	755	747	738	736	728	730	728	723	713	707	714	718	720	720	718	732	0	8	50 762	18	37 705	57
5	✓	✓		725	724	722	722	724	726	725	725	723	729	730	730	735	738	739	740	742	741	738	732	731	731	732	737	731	0	17	53 749	0	04 717	32
6				742	745	755	760	764	769	769	766	758	745	715	695	673	678	707	715	719	721	724	719	713	716	714	718	729	1	5	46 772	13	03 664	108
7				723	722	719	719	719	725	728	731	733	732	722	716	721	728	723	726	714	717	720	722	723	722	722	717	723	0	9	17 736	24	00 709	27
8				721	709	700	701	704	711	713	706	707	706	698	701	709	712	715	719	714	718	712	713	718	719	721	723	711	0	0	32 740	2	31 695	45
9				726	727	726	724	723	726	726	728	726	708	696	692	684	703	711	705	715	703	705	709	712	710	698	710	712	1	2	08 730	12	22 680	50
10				712	715	720	726	719	722	719	719	715	718	719	726	731	733	729	728	727	726	726	723	721	719	717	716	722	0	12	54 735	0	20 709	26
11				724	728	724	728	730	726	724	718	713	715	710	703	704	707	717	725	728	722	709	706	710	715	709	713	717	0	4	21 733	11	25 700	33
12	✓			717	720	731	726	715	721	728	734	735	724	711	718	719	724	729	725	716	716	717	715	712	715	719	715	721	0	2	47 739	10	44 709	30
13	✓			717	727	723	723	724	728	730	720	710	708	709	708	710	711	713	716	720	718	718	724	725	726	728	729	719	0	2	03 732	9	20 706	26
14	✓	✓		729	730	733	729	727	731	729	725	717	726	733	732	738	731	730	728	727	729	729	729	726	723	724	724	728	0	13	00 740	8	29 713	27
15	✓	✓		724	726	729	733	734	736	740	745	738	724	712	714	716	717	729	738	745	744	736	735	731	734	738	734	731	0	18	24 749	10	37 710	39
16				731	735	738	743	742	743	746	743	721	699	699	717	731	737	739	738	738	731	732	729	713	696	688	684	726	0	6	52 748	23	14 674	74
17			✓	706	711	713	716	723	734	750	748	729	726	727	730	725	719	716	712	706	704	724	730	734	706	705	700	721	1	6	44 753	23	22 688	65
18			✓	754	711	701	701	718	716	717	704	690	681	667	668	686	693	689	701	703	704	708	713	711	712	711	717	703	1	0	37 784	10	56 658	126
19				733	727	727	734	701	706	707	698	693	698	689	677	680	684	699	707	715	712	712	719	717	718	744	717	709	1	22	12 753	11	16 673	80
20				727	738	720	710	713	717	720	713	714	696	680	682	685	688	697	704	714	713	713	715	721	717	718	722	710	0	1	06 754	10	47 676	78
21	✓	✓		722	722	724	731	726	719	731	738	739	737	723	720	737	743	740	741	737	736	732	729	731	729	728	727	731	0	13	03 750	11	34 715	35
22	✓			726	726	727	726	726	731	734	735	734	732	732	730	730	736	736	741	740	737	740	738	736	736	739	739	734	0	16	38 745	4	12 724	21
23			✓	738	736	730	723	727	724	730	731	730	731	729	727	729	732	731	731	724	714	717	713	702	725	708	712	725	1	0	22 741	22	40 715	26
24			✓	712	712	719	693	698	707	702	701	715	719	723	729	721	708	709	693	709	704	706	696	697	711	688	708	708	1	21	00 762	20	42 656	106
25			✓	727	704	692	693	697	691	698	697	697	698	701	699	689	697	718	721	726	714	697	708	707	709	717	709	704	1	0	06 748	12	15 683	65
26				727	710	714	713	715	715	712	707	702	720	723	720	709	697	689	693	699	704	712	719	711	724	723	713	711	0	0	14 742	14	50 686	56
27				727	719	714	715	714	714	719	718	715	710	701	705	713	720	720	719	724	725	713	715	714	728	736	718	717	1	22	02 755	10	29 700	55
28				723	722	726	723	718	720	717	711	704	706	712	718	724	723	724	723	725	715	718	721	724	723	715	725	719	0	0	19 734	8	56 700	34
29				726	723	721	722	722	720	719	710	694	688	693	700	709	709	709	711	712	722	719	723	726	723	724	724	715	0	0	14 731	9	12 685	46
30				725	728	723	723	723	727	725	713	709	709	719	725	729	745	745	732	726	722	721	715	711	726	718	715	723	0	14	06 750	8	41 706	44
31	✓	✓		707	709	721	723	714	716	715	716	712	703	709	727	736	733	730	720	720	713	713	717	721	723	723	726	719	0	3	01 740	9	45 701	39
MEANS ALL DAYS				724	722	721	721	721	723	725	723	719	716	712	713	715	717	720	721	722	719	718	719	719	720	719	719	719						50
MEANS TEN DAYS ✲				718	720	724	725	723	725	728	728	725	723	721	723	727	727	728	729	729	727	726	726	726	726	728	728	725						32
MEANS FIVE DAYS † (G. M. T.)				729	731	735	737	738	741	744	730 744	726 736	724	721	725	732	732	734	733	734	733	730	728	728	728	729	730	732						
MEANS FIVE DAYS ‡ (G. M. T.)				731	713	711	707	706	707	707	701	712	711	709	711	710	710	713	712	714	708	710	712	710	713	706	709	710						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 223

HORIZONTAL INTENSITY

FEBRUARY 1941

23975 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1941

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		723	724	724	725	726	728	731	733	730	729	731	733	741	739	741	741	739	736	730	730	735	721	721	721	730	0	14	31	743	21	32	717	26
2	✓			715	708	717	728	721	719	723	725	727	725	721	722	727	733	732	730	718	710	707	709	710	721	724	725	721	0	13	10	735	18	04	705	30
3				725	729	733	743	723	715	722	721	720	723	718	708	707	718	728	721	705	671	676	687	683	668	673	690	709	1	3	51	748	17	52	649	99
4	✓			699	705	719	708	694	693	703	700	689	687	692	694	703	706	699	703	705	696	697	704	702	694	695	700	699	0	2	22	729	9	05	685	44
5				703	707	707	707	710	712	716	709	695	689	699	710	707	705	712	726	717	717	707	704	703	704	703	723	708	1	15	50	730	9	43	688	42
6				718	722	729	716	720	723	710	704	709	712	711	729	729	709	686	690	701	699	691	692	696	705	709	694	708	1	2	26	748	14	40	675	73
7			✓	693	702	705	712	718	718	713	703	699	717	725	728	723	697	703	703	688	693	709	710	711	715	719	719	709	1	22	59	739	16	33	685	54
8				715	724	729	725	717	721	714	701	694	704	710	704	706	716	715	712	710	708	706	700	712	705	717	732	712	1	23	15	747	8	22	690	57
9				719	716	725	720	714	714	716	708	702	701	700	699	706	704	690	693	707	714	715	719	721	720	720	726	711	0	23	52	733	14	35	687	46
10	✓			725	720	722	730	733	727	721	717	723	723	725	732	723	718	724	718	715	712	714	716	717	718	720	718	721	0	4	29	736	17	22	709	27
11	✓	✓		718	720	719	723	723	726	722	718	714	716	716	717	718	716	713	716	718	720	716	714	713	715	722	721	718	0	5	42	730	20	41	710	20
12	✓	✓		717	716	737	727	718	719	721	719	710	705	718	726	733	735	731	726	721	715	718	725	726	728	726	723	722	0	2	27	746	9	26	703	43
13			✓	726	728	728	734	734	736	738	733	720	720	720	716	723	737	746	737	715	710	693	712	706	712	706	708	722	1	15	01	751	18	19	690	61
14				713	751	719	706	708	713	710	706	698	690	687	701	708	706	709	715	700	702	715	705	711	716	715	739	710	1	1	12	772	10	01	685	87
15				726	719	719	722	720	720	722	717	701	681	687	703	693	696	705	706	709	703	692	707	705	708	711	732	708	1	0	00	754	10	02	675	79
16				728	725	730	733	720	714	717	714	706	704	684	683	698	703	706	711	713	713	713	719	722	726	725	726	714	0	0	05	739	10	53	674	65
17				724	721	734	720	720	721	717	725	714	701	695	683	678	684	686	703	702	705	711	700	712	708	725	720	709	1	18	43	747	12	19	671	76
18	✓	✓		721	721	726	735	722	726	723	722	721	713	706	703	704	705	704	707	715	711	717	717	720	717	719	721	716	0	3	12	743	14	11	700	43
19	✓			722	722	728	725	725	724	727	726	720	710	703	696	687	691	701	712	716	721	721	723	726	725	724	723	717	0	2	36	732	12	50	683	49
20				731	738	718	717	720	723	728	729	733	730	726	722	721	718	712	709	708	713	716	715	709	718	715	719	720	0	1	02	758	20	06	702	56
21			✓	721	724	726	728	731	739	730	723	724	712	703	711	710	709	709	710	710	709	705	711	718	728	737	715	718	1	23	40	755	23	19	692	63
22			✓	701	704	711	710	713	740	705	700	693	687	681	672	690	705	702	709	712	691	689	693	708	709	710	715	702	1	5	20	748	11	43	663	85
23			✓	735	719	713	716	710	703	707	701	693	689	686	699	713	714	701	707	707	709	703	706	706	702	706	707	707	1	0	07	752	10	07	678	74
24				729	740	741	715	707	703	701	695	695	685	674	670	685	694	704	707	706	704	703	712	698	693	720	715	704	1	2	22	759	11	08	665	94
25				737	707	709	709	709	705	705	692	689	684	688	699	710	723	721	711	713	711	715	705	697	711	712	707	707	1	0	24	748	10	18	682	66
26				707	713	722	714	706	707	705	704	702	691	667	664	681	690	694	702	705	693	691	701	701	704	722	717	700	1	2	28	732	11	23	661	71
27	✓	✓		710	713	716	716	716	718	720	722	715	702	688	684	686	691	695	711	714	713	719	719	719	718	717	716	710	0	7	22	722	12	25	683	39
28	✓			720	728	724	721	721	721	723	724	718	711	706	703	712	719	716	717	717	719	720	716	723	727	725	728	719	0	1	46	732	11	07	699	33
29																																		
30																																		
31																																		
MEANS ALL DAYS				719	720	722	721	718	719	718	714	709	705	702	704	708	710	710	713	711	708	707	710	711	712	716	718	713								57
MEANS TEN DAYS ✲				717	718	723	724	720	720	721	721	717	712	711	711	713	715	716	718	718	715	716	717	719	718	719	720	717								35
MEANS FIVE DAYS † (G. M. T.)				720	720	727	727	724	724	726	723 725	718 719	713	712	713	716	717	717	720	721	719	720	721	723	720	721	720	720								
MEANS FIVE DAYS ‡ (G. M. T.)				719	728	723	714	711	717	707	701	706	705	703	705	712	712	712	713	706	702	700	706	710	713	716	713	711								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 224

HORIZONTAL INTENSITY

23975 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1941 — MARCH 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	736	729	725	722	725	728	728	729	724	718	710	704	689	742	727	735	669	579	608	626	671	648	454	360	674	2	15	20	832	23 51	251	581
2				326	339	312	422	495	504	480	492	496	499	517	531	544	556	576	579	580	607	603	611	620	628	633	640	525	1	23	58	647	0 14	168	479
3				645	651	648	644	652	645	659	662	649	639	640	648	646	651	649	646	645	649	658	649	659	656	658	681	651	1	23	52	703	5 48	631	72
4				680	675	665	669	662	663	670	672	654	658	660	661	640	629	638	653	659	660	657	661	671	672	668	670	661	1	0	00	702	13 11	621	81
5				664	674	677	669	678	680	684	680	655	668	665	637	642	655	656	666	667	669	664	661	639	665	696	675	666	1	22	33	745	12 12	621	124
6				670	680	689	691	683	691	678	681	668	649	651	657	657	652	652	651	672	672	664	674	685	688	682	685	672	1	2	40	699	9 40	643	56
7				695	697	683	679	679	681	681	681	679	677	683	692	695	696	694	692	689	679	678	685	688	690	691	688	686	0	1	56	700	17 59	671	29
8	✓			700	692	693	694	706	698	696	686	690	679	680	687	696	702	698	697	698	696	699	696	687	691	701	704	694	0	0	19	715	10 05	671	44
9				704	704	698	694	695	701	700	699	678	667	667	668	674	680	677	684	691	688	693	695	696	697	701	703	690	0	0	28	708	9 11	664	44
10	✓	✓		701	705	705	707	708	705	700	691	695	692	695	700	696	688	691	691	690	691	696	698	697	698	700	704	698	0	4	47	710	13 39	684	26
11				708	707	713	708	708	708	708	704	692	687	685	686	693	693	694	696	696	698	695	694	693	695	702	707	699	0	2	24	715	10 48	685	30
12	✓			711	711	721	719	732	717	708	708	701	701	694	698	698	703	707	707	709	710	711	713	710	692	682	688	706	0	4	42	734	22 10	675	59
13				699	701	704	720	714	709	708	715	712	717	715	706	707	714	711	714	710	712	712	711	710	709	708	706	710	0	3	24	725	0 00	691	34
14			✓	715	716	720	716	704	707	718	725	697	657	662	668	653	655	658	634	662	649	607	588	647	648	651	651	671	1	3	14	731	19 19	572	159
15				677	677	675	677	676	674	666	663	670	669	667	685	669	664	672	668	659	677	680	690	679	677	685	690	674	1	23	53	699	7 11	651	48
16	✓	✓		692	690	698	701	695	690	690	687	684	682	682	687	687	687	690	690	686	687	691	695	698	701	701	699	691	1	3	13	705	9 52	680	25
17	✓	✓		699	701	701	702	704	704	704	702	698	695	688	687	692	696	704	699	695	699	704	702	707	702	703	702	700	0	20	17	710	11 28	686	24
18	✓			704	705	705	706	707	709	709	709	704	696	695	695	687	687	687	692	697	702	708	709	710	712	714	713	703	0	23	53	715	14 23	682	33
19				709	712	714	715	718	719	709	717	713	710	718	723	728	728	722	705	706	709	710	691	648	644	674	678	705	0	13	07	732	21 05	634	98
20				685	701	698	698	694	694	695	698	686	683	688	675	672	682	676	663	676	676	688	679	709	701	699	704	688	1	20	29	738	15 00	653	85
21				707	702	695	694	696	685	693	698	690	689	680	672	684	682	676	673	683	680	689	687	698	709	697	698	690	1	21	51	726	15 10	664	62
22				710	704	714	722	712	698	695	692	688	686	673	679	676	675	688	678	689	676	676	700	701	696	691	716	693	1	24	00	740	13 12	663	77
23				727	712	696	693	696	694	694	689	692	695	695	688	688	689	686	681	679	685	687	695	696	696	704	710	694	1	0	00	740	16 31	677	63
24	✓			723	710	710	704	698	700	696	705	710	702	691	691	688	692	694	695	698	699	704	705	704	710	708	717	702	0	0	35	745	11 10	686	59
25	✓			711	718	713	712	709	709	710	707	702	705	712	707	700	697	702	701	698	694	704	709	707	708	709	709	706	0	1	12	725	17 30	690	35
26	✓	✓		708	709	714	716	711	708	710	713	708	704	702	697	692	691	694	701	705	704	707	708	709	712	712	712	706	0	2	24	719	12 53	689	30
27	✓	✓		714	712	713	713	711	712	712	710	706	710	721	722	712	708	705	708	712	713	713	711	712	711	713	713	712	0	11	12	724	9 02	705	19
28			✓	713	713	715	718	721	721	726	729	711	682	703	718	732	730	729	716	713	665	621	649	664	667	651	645	698	1	13	10	745	18 25	596	149
29				676	689	691	710	682	679	692	683	674	671	679	679	681	680	668	681	681	681	688	694	690	691	683	691	684	1	3	34	717	14 08	663	54
30			✓	706	716	711	680	692	699	693	683	669	657	638	633	644	652	669	659	643	652	657	679	664	670	681	686	672	2	1	31	726	11 25	626	100
31			✓	726	748	686	681	688	667	675	665	602	591	597	593	610	627	641	653	649	651	653	631	652	665	665	666	653	1	1	02	802	19 32	573	229
MEANS ALL DAYS				688	690	687	690	692	690	690	690	681	675	676	677	677	680	682	681	681	678	678	681	685	685	681	681	683							97
MEANS TEN DAYS *				706	705	707	707	708	705	704	702	700	697	696	697	695	695	697	698	699	700	704	705	704	704	704	706	702							35
MEANS FIVE DAYS † (G. M. T.)				708	708	709	709	710	711	712	701 711	698 702	697	698	699	696	694	697	698	698	699	702	703	705	705	706	706	703							
MEANS FIVE DAYS ‡ (G. M. T.)				614	626	609	634	644	641	638	636	681	661	662	663	666	681	685	679	667	639	629	635	660	660	620	602	647							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 225

HORIZONTAL INTENSITY

23975 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1941 — APRIL 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓			666	677	681	682	681	681	679	677	671	671	667	664	663	665	673	675	682	683	684	683	683	683	686	692	677	0	23	07	702	12	50	662	40
2				687	685	686	687	690	687	689	694	684	676	675	674	675	674	673	674	678	682	688	687	685	679	696	685	683	0	22	29	706	15	48	670	36
3				689	690	693	697	702	708	703	697	690	690	676	661	668	665	677	687	685	685	691	693	697	693	687	698	688	1	23	06	711	11	11	655	56
4	✓			682	688	694	705	711	705	701	700	697	684	679	683	684	680	681	682	690	691	699	702	701	703	703	703	694	0	4	08	721	10	43	676	45
5	✓			701	703	704	705	705	704	705	701	698	701	704	704	698	688	687	691	695	701	702	703	703	704	705	705	701	0	22	40	707	13	57	683	24
6				704	706	706	708	706	707	707	710	709	700	700	706	709	700	696	694	694	693	695	695	697	696	697	706	702	0	7	52	712	17	05	691	21
7			✓	706	709	710	710	710	710	713	713	707	705	710	715	717	715	710	712	721	721	710	693	691	700	709	707	709	0	16	58	724	19	57	686	38
8				713	714	718	720	714	716	711	714	725	717	709	704	702	701	705	704	703	700	706	704	701	700	700	701	708	0	8	14	727	13	04	696	31
9				704	705	716	714	714	717	716	713	713	717	727	718	704	704	703	701	698	702	703	700	705	704	693	695	708	0	10	48	730	22	41	685	45
10			✓	704	708	709	709	710	708	710	709	704	696	695	692	694	695	690	667	682	696	701	701	707	706	706	710	700	1	23	38	718	15	09	659	59
11				706	695	703	706	706	707	716	706	700	689	693	702	695	706	691	663	678	688	706	703	700	699	700	696	698	1	6	28	725	15	22	652	73
12				698	700	708	706	703	704	703	707	708	702	690	682	689	679	692	695	699	704	705	696	701	700	701	710	699	0	24	00	720	13	37	670	50
13	✓			717	711	708	707	707	709	709	710	711	704	708	706	706	702	699	698	704	708	708	708	711	703	702	701	707	0	0	04	720	14	39	697	23
14	✓	✓		703	705	706	706	709	709	709	710	708	706	710	706	694	692	688	688	696	697	701	705	710	709	707	707	703	0	10	32	712	14	54	685	27
15	✓			707	707	709	710	710	711	713	716	715	710	712	716	719	715	714	715	714	720	721	720	722	718	715	717	714	0	21	19	724	0	02	706	18
16				717	717	721	724	725	728	721	725	724	724	728	728	719	711	711	710	715	712	697	677	682	707	702	704	714	0	5	50	733	19	15	674	59
17				703	703	704	706	710	711	712	714	714	711	708	702	699	704	705	704	709	710	710	707	710	715	714	714	708	0	22	19	717	12	12	697	20
18				715	712	710	712	712	712	712	710	694	688	686	684	687	689	690	691	698	705	708	711	697	694	699	704	701	0	24	00	723	11	08	682	41
19			✓	710	701	704	708	711	715	706	710	713	706	700	699	698	662	651	645	636	662	667	672	678	684	686	698	688	1	0	07	725	16	28	621	104
20				693	697	720	707	703	698	697	701	696	690	692	697	706	707	693	678	689	697	703	702	705	707	699	699	699	0	2	38	726	15	42	676	50
21				701	703	705	703	706	707	704	699	704	701	695	693	694	684	687	695	701	701	705	708	708	712	706	703	701	0	21	35	719	13	50	680	39
22	✓	✓		707	709	710	711	706	711	713	716	713	705	692	690	693	692	692	702	708	713	714	714	711	709	709	707	706	0	19	18	716	11	40	689	27
23	✓	✓		709	709	715	714	714	716	717	719	718	714	711	709	707	706	705	708	712	716	712	703	705	708	709	711	711	0	7	43	719	20	02	701	18
24			✓	711	713	715	717	718	719	720	721	721	718	712	704	703	705	712	731	729	640	621	650	653	657	672	647	696	2	16	08	739	17	43	605	134
25			✓	660	711	696	678	687	667	674	682	665	641	646	642	649	629	623	655	671	661	670	675	674	677	685	690	667	1	1	35	750	15	00	610	140
26				693	691	707	699	696	697	687	694	691	670	665	670	654	669	673	675	678	670	692	700	699	697	695	697	686	0	2	37	715	12	39	648	67
27	✓	✓		698	697	696	697	698	697	697	702	699	701	697	697	694	688	685	682	689	694	694	692	693	692	690	691	694	0	7	10	704	15	38	679	25
28				693	696	698	696	696	698	699	701	704	701	694	677	669	669	677	683	687	682	666	661	674	681	686	697	687	1	23	44	705	19	51	660	45
29				695	699	697	715	722	708	702	693	673	651	658	672	687	682	678	664	665	677	685	689	690	692	692	694	687	1	4	13	732	9	10	632	100
30	✓	✓		695	695	696	697	697	698	699	699	695	685	676	675	674	676	679	683	691	698	702	703	704	704	704	704	693	0	21	58	705	11	52	671	34
31																																				
MEANS ALL DAYS				700	702	705	705	706	705	705	705	702	696	694	692	692	688	688	688	693	694	696	695	697	698	698	700	698								50
MEANS TEN DAYS ✱				698	700	702	703	704	704	704	705	702	698	696	695	693	690	690	692	698	702	704	703	704	703	703	704	700								28
MEANS FIVE DAYS (G. M. T.) †				705	706	708	708	709	710	711	709 713	707 713	702	697	695	692	691	690	693	699	704	705	703	705	704	704	704	703								
MEANS FIVE DAYS (G. M. T.) ‡				693	702	709	702	701	697	697	699	702	693	693	690	692	681	677	682	688	676	674	678	681	685	692	690	691								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 226

HORIZONTAL INTENSITY

23975 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				704	703	704	705	706	706	708	709	708	702	695	692	691	689	685	686	695	704	705	708	710	705	702	696	701	0	20 21	712	15 08	684	28
2	✓	✓		699	697	697	693	707	715	706	709	709	705	694	687	687	685	684	683	685	692	695	692	693	693	694	694	696	0	5 08	727	15 20	679	48
3	✓	✓		701	706	703	703	705	711	714	721	728	727	714	704	695	691	692	700	706	707	707	704	703	702	705	708	707	0	9 10	729	13 07	687	42
4				706	705	704	706	709	715	714	716	717	714	706	710	710	694	666	667	681	704	688	696	696	700	702	702	701	1	8 41	718	14 42	659	59
5	✓	✓		701	702	707	703	704	705	710	716	715	708	704	703	701	701	706	710	709	719	719	717	716	718	714	714	709	0	17 38	721	1 12	696	25
6				712	712	718	719	721	722	725	729	729	726	725	720	716	713	709	708	709	710	712	697	694	700	703	704	714	0	8 00	730	19 55	685	45
7	✓			706	706	708	709	713	716	719	723	728	724	711	697	689	684	686	695	706	712	714	714	713	713	713	714	709	0	8 21	729	13 39	682	47
8				716	716	715	716	716	716	721	721	722	720	714	706	701	695	697	707	718	726	721	707	704	713	720	722	714	0	17 54	731	13 39	693	38
9				720	720	722	727	726	717	715	725	731	724	708	694	685	684	675	682	690	690	696	697	701	711	710	711	707	0	4 01	735	14 42	672	63
10				714	717	719	719	723	725	725	723	720	719	729	726	721	717	705	706	714	719	713	715	711	711	709	711	717	0	10 56	733	14 52	701	32
11	✓			713	717	717	721	726	728	728	729	730	724	726	724	719	712	710	711	716	715	708	718	714	716	717	716	719	0	8 36	732	18 34	706	26
12				714	715	716	718	722	722	722	724	726	726	724	720	716	713	712	716	726	732	736	733	731	731	729	729	723	0	18 32	737	12 27	711	26
13				726	724	725	727	729	728	731	728	725	714	712	710	707	708	701	707	716	721	720	713	710	710	711	716	717	0	5 49	733	14 48	696	37
14	✓			715	717	717	717	718	718	718	722	727	730	728	723	718	712	707	709	715	720	720	713	713	716	716	717	718	0	9 12	733	14 15	705	28
15	✓			716	719	723	723	724	724	727	728	733	739	735	726	728	723	717	718	721	722	719	719	719	720	720	719	723	0	9 19	742	14 52	713	29
16				720	723	724	722	725	724	726	726	718	720	720	714	711	709	700	686	706	714	709	689	691	705	715	701	712	1	7 12	729	15 23	680	49
17			✓	702	711	712	715	717	718	721	723	723	722	720	713	690	651	650	651	646	648	673	656	651	658	674	686	689	1	7 28	724	16 43	631	93
18				692	695	695	696	698	698	697	703	709	708	700	689	681	683	680	687	696	705	710	709	706	705	705	704	698	0	18 47	712	12 01	673	39
19	✓	✓		705	706	707	712	714	706	701	709	711	707	696	692	697	694	692	698	704	708	709	707	708	707	707	707	704	0	4 28	716	11 01	687	29
20	✓	✓		707	708	710	710	710	711	712	717	722	721	715	706	700	696	693	699	707	715	717	717	718	716	713	715	711	0	8 54	724	14 43	692	32
21			✓	718	719	722	721	722	724	727	728	730	738	735	726	721	707	687	683	691	691	697	707	709	710	709	707	714	0	10 08	740	15 08	679	61
22			✓	708	708	712	718	715	713	732	735	728	708	692	669	671	681	688	683	675	673	684	690	692	679	684	689	697	1	7 30	740	11 37	663	77
23			✓	693	697	704	708	711	713	708	716	716	709	702	695	689	689	683	682	677	675	680	688	692	698	695	698	697	1	5 01	720	17 12	667	53
24			✓	702	705	699	706	710	704	699	696	711	698	693	689	673	650	646	646	660	679	682	675	670	676	684	688	685	1	5 00	718	14 11	643	75
25				691	699	704	699	707	717	712	712	709	700	695	688	675	681	693	697	692	687	699	694	699	680	687	685	696	0	5 06	721	12 43	668	53
26				692	696	701	697	698	696	701	709	715	704	702	700	697	697	694	686	695	707	706	700	704	704	705	708	701	0	8 17	717	15 37	684	33
27	✓			706	716	717	711	711	715	712	719	720	719	712	705	701	700	700	698	704	709	710	712	709	707	707	708	710	0	7 55	722	15 18	696	26
28				710	711	711	712	715	715	717	721	723	723	723	719	713	708	696	692	692	693	704	703	703	705	707	707	709	0	8 52	725	17 04	690	35
29				715	708	711	715	716	718	716	722	729	733	730	717	689	682	686	683	684	698	706	709	712	711	710	707	709	0	9 36	734	16 11	673	61
30				707	715	714	711	711	709	711	717	719	718	721	716	712	706	706	710	717	724	723	723	720	718	715	716	715	0	10 50	726	14 16	705	21
31				720	715	718	722	726	725	730	728	724	714	709	716	713	706	695	697	705	716	720	721	719	713	708	703	715	0	6 33	730	15 02	693	37
MEANS ALL DAYS				708	710	711	712	715	715	716	719	721	718	713	706	701	696	692	693	699	704	707	705	704	705	706	707	708						43
MEANS TEN DAYS *				707	709	711	710	713	715	715	719	722	720	714	707	704	700	699	702	707	712	712	711	711	711	711	711	710						33
MEANS FIVE DAYS (G. M. T.) †				709	710	711	712	713	717	718	714 722	717 725	714	705	698	696	693	693	698	702	708	709	707	708	707	707	708	708						
MEANS FIVE DAYS (G. M. T.) ‡				697	701	703	705	708	709	710	712	722	715	708	698	689	676	671	669	670	673	683	683	683	684	689	694	694						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 227

HORIZONTAL INTENSITY

23975 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1941

DAY	*	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				708	707	721	724	719	721	725	728	726	727	725	709	693	690	694	695	698	714	717	717	713	711	712	712	713	0	3	04 741	13	14 688	53
2	✓	✓		712	715	718	717	718	720	720	724	726	733	731	726	723	717	715	714	719	723	723	721	720	719	719	720	721	0	9	53 736	0	05 710	26
3	✓	✓		719	720	722	723	724	725	726	729	736	744	737	730	727	727	727	729	730	730	724	722	723	721	720	720	726	0	9	30 745	0	10 718	27
4	✓	✓		724	723	719	719	721	722	724	726	728	727	725	723	721	720	717	720	723	726	726	726	726	727	728	726	724	0	22	31 728	14	41 717	11
5	✓	✓		725	726	727	727	727	730	733	738	740	741	740	735	731	722	714	710	715	719	718	721	723	723	723	723	726	0	9	31 743	15	02 708	35
6				723	726	729	727	725	724	725	729	732	730	729	727	727	727	727	728	732	727	718	718	716	709	709	712	724	0	2	46 736	22	10 707	29
7	✓			716	720	722	724	726	729	731	732	735	734	731	725	720	717	714	717	724	730	730	728	726	723	719	717	725	0	8	46 736	14	22 713	23
8	✓			713	715	717	719	722	725	727	729	733	732	727	721	720	715	715	718	726	726	725	728	725	723	721	721	723	0	8	56 733	0	38 712	21
9				719	720	722	725	728	728	730	735	738	738	735	735	736	735	737	740	744	758	742	727	726	728	718	718	732	0	17	18 765	22	28 716	49
10			✓	719	722	725	726	731	731	730	737	743	743	741	736	733	725	701	690	696	708	702	712	704	725	692	690	719	1	8	46 746	22	48 671	75
11			✓	690	696	704	706	710	714	718	721	729	731	729	721	717	707	699	703	705	709	709	710	717	715	717	712	712	1	8	53 743	0	54 685	58
12				717	719	716	712	710	712	713	717	716	714	709	709	705	704	704	698	703	717	719	718	716	707	707	713	711	0	1	24 724	15	31 693	31
13			✓	721	717	713	710	712	713	720	721	724	726	726	729	743	734	715	678	645	637	638	691	675	685	693	694	702	1	12	34 748	18	42 612	136
14			✓	693	690	702	696	699	704	690	676	684	671	666	685	669	662	657	662	676	687	689	688	703	702	699	700	685	1	20	43 717	15	08 649	68
15			✓	698	700	704	706	706	710	709	715	719	716	700	691	683	677	669	661	643	635	648	645	657	671	681	684	684	1	8	51 721	16	50 628	93
16	✓	✓		691	692	692	699	704	710	709	711	713	716	711	700	696	694	692	697	705	710	709	707	705	705	707	707	703	0	9	44 716	0	00 687	29
17				709	711	711	711	711	714	716	717	717	713	714	710	709	706	704	713	716	722	715	718	715	714	711	714	713	1	19	10 727	14	32 702	25
18				713	711	724	713	720	723	722	715	704	699	684	675	685	678	677	684	699	708	704	702	707	710	713	714	704	1	2	20 736	11	13 666	70
19				713	709	710	718	713	715	716	717	717	715	715	709	707	709	713	720	728	727	722	714	708	706	706	706	714	0	17	07 729	23	07 702	27
20				709	707	710	713	713	721	728	727	729	727	721	704	707	697	655	660	672	690	690	682	678	679	691	692	700	1	8	58 731	14	46 641	90
21				694	700	700	703	705	711	712	701	711	714	702	700	694	690	686	689	702	704	703	707	701	704	705	707	702	1	9	11 716	14	10 682	34
22				708	709	710	720	713	712	714	716	716	723	723	719	710	708	710	705	695	700	703	707	710	707	710	710	711	0	9	29 725	16	52 692	33
23	✓			710	711	711	711	717	712	711	717	714	711	703	700	699	703	705	706	710	717	719	718	717	716	714	715	711	0	18	32 720	12	03 697	23
24				713	718	718	719	719	722	724	726	729	725	720	717	715	715	715	719	723	719	705	708	710	708	707	708	717	0	8	04 730	23	08 703	27
25	✓			710	713	715	716	723	722	722	720	725	727	722	718	716	713	710	710	717	720	722	722	719	718	720	722	718	0	9	32 728	15	12 708	20
26				722	723	725	725	727	729	729	726	730	732	731	719	711	703	699	701	710	717	714	710	709	708	708	710	717	0	10	10 736	15	12 697	39
27				709	711	721	721	724	738	739	736	742	740	741	735	715	698	701	704	710	721	711	706	704	707	717	716	719	1	8	01 744	14	03 696	48
28				717	717	718	721	724	726	729	733	730	719	713	715	712	709	707	709	712	712	718	715	716	717	716	716	718	0	7	43 734	15	04 704	30
29				716	719	722	722	725	724	725	726	720	722	725	718	711	707	715	721	727	735	729	727	725	725	725	722	722	0	17	32 741	13	52 705	36
30	✓			722	722	723	726	724	723	724	725	728	728	725	726	721	716	709	709	715	721	714	712	715	716	716	719	720	0	9	10 730	15	07 705	25
31																																		
MEANS ALL DAYS				712	713	716	717	718	720	721	722	724	724	720	716	712	707	703	704	707	712	710	711	710	711	711	711	714						43
MEANS TEN DAYS *				714	716	717	718	721	722	723	725	728	729	725	720	717	714	712	713	718	722	721	720	720	719	719	719	720						24
MEANS FIVE DAYS † (G. M. T.)				720	721	722	721	722	723	725	726 728	729 731	732	729	723	720	716	713	714	718	722	720	719	719	719	719	719	721						
MEANS FIVE DAYS ‡ (G. M. T.)				698	699	704	704	706	710	708	708	720	717	712	712	709	701	688	679	673	675	677	689	691	700	696	696	699						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE MAGNETIC STORM

( ) = INTERPOLATED, [ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 228

HORIZONTAL INTENSITY

23975 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				723	723	724	725	727	727	729	732	732	732	721	715	699	702	708	702	698	705	711	715	720	721	721	721	718	0	9	06	736	12 50	693	43
2	✓			721	719	718	718	718	721	724	725	728	727	719	717	712	700	697	697	700	711	710	707	710	711	715	714	714	0	8	40	730	15 43	693	37
3				715	716	718	718	718	717	718	717	710	708	709	707	709	710	713	717	723	728	729	730	737	735	730	720	719	0	20	22	743	11 12	703	40
4			✓	727	717	721	723	723	723	726	726	729	729	729	735	735	695	698	697	704	713	713	707	706	703	710	710	717	1	12	01	753	13 48	689	64
5			✓	701	707	694	685	683	702	687	696	697	688	641	676	689	702	598	522	469	467	441	323	303	258	314	350	571	2	1	33	717	22 09	188	529
6			✓	404	448	469	495	518	492	526	535	539	538	551	554	551	547	553	566	584	591	593	589	589	601	593	601	543	1	21	33	634	0 02	368	266
7			✓	612	632	639	642	638	631	633	632	617	585	558	563	572	624	632	610	633	632	646	650	660	652	656	658	625	1	23	33	666	10 42	544	122
8				656	661	663	666	666	661	661	663	672	673	673	669	667	659	643	635	628	646	651	649	654	650	653	656	657	0	2	05	682	16 36	617	65
9				659	668	667	672	672	675	678	683	682	677	675	671	666	665	666	670	674	680	682	682	673	668	681	675	673	1	22	12	694	0 11	654	40
10				683	686	686	691	692	710	709	703	704	717	708	694	689	684	671	667	670	683	687	687	684	682	678	676	689	1	9	41	725	16 05	660	65
11				680	683	686	685	699	696	700	685	688	688	685	677	675	685	683	672	666	675	682	683	680	680	683	683	683	0	4	39	711	16 02	661	50
12				683	682	681	682	686	689	690	693	696	698	697	695	693	692	683	672	670	673	670	670	670	675	686	688	684	0	10	07	698	20 27	663	35
13	✓	✓		690	692	694	695	697	701	705	710	713	714	714	712	706	699	699	697	699	696	693	690	692	691	691	691	699	0	10	02	716	0 08	685	31
14	✓	✓		692	698	697	697	699	699	701	705	709	710	704	698	696	693	688	689	693	698	701	701	698	697	697	699	698	0	9	12	712	14 22	686	26
15	✓			700	703	700	701	703	706	707	709	710	711	708	702	695	692	689	687	694	699	697	698	693	698	704	703	700	0	9	57	711	14 46	687	24
16				706	710	711	708	708	710	713	717	723	726	722	711	714	712	698	700	702	704	706	708	704	704	701	701	709	0	10	01	728	15 01	695	33
17				702	708	714	702	702	710	713	713	710	710	713	710	698	696	693	687	684	698	701	702	702	701	699	696	703	0	2	01	722	16 21	679	43
18	✓			699	707	712	707	703	703	706	709	707	706	715	689	704	699	693	693	695	701	707	706	703	703	701	701	703	0	10	41	717	14 58	691	26
19				701	706	709	709	704	706	708	710	717	720	712	700	691	684	683	686	695	704	707	705	704	705	703	701	703	0	9	52	723	14 21	682	41
20				703	708	706	708	705	708	708	714	716	717	716	712	699	691	692	691	682	700	708	703	696	694	700	703	703	0	9	42	719	16 46	677	42
21			✓	701	709	707	706	708	713	713	721	724	721	718	724	719	685	659	651	623	605	599	627	653	666	668	669	683	1	12	19	727	18 30	590	137
22				673	671	676	699	692	679	681	689	694	684	681	678	665	667	667	671	682	688	684	689	683	688	675	678	681	1	3	41	707	12 50	656	51
23				681	686	689	689	693	698	700	706	704	695	684	676	675	675	664	672	675	687	684	682	692	687	678	686	686	0	7	49	709	14 43	659	50
24				686	691	691	692	695	698	697	700	718	722	719	705	691	687	697	695	699	702	708	706	703	699	707	697	700	0	9	40	723	13 12	677	46
25				696	696	702	704	702	704	706	708	712	713	718	714	718	715	689	673	675	684	694	693	692	704	698	696	700	0	13	32	724	15 47	667	57
26	✓	✓		697	698	699	703	703	704	706	711	718	717	715	707	700	697	693	693	701	709	711	710	706	703	705	706	705	0	8	52	720	14 52	691	29
27	✓	✓		705	705	707	708	710	714	714	719	718	716	712	704	686	680	677	680	692	702	707	710	707	705	705	706	704	0	7	59	722	14 28	675	47
28	✓			708	710	710	711	712	714	715	717	721	721	718	715	710	702	690	690	698	706	709	709	710	713	715	715	710	0	8	00	723	15 05	688	35
29	✓	✓		715	716	716	716	717	718	723	725	730	731	729	723	712	706	706	708	712	720	726	724	720	719	720	720	719	0	8	53	734	13 28	702	32
30	✓			720	719	717	717	720	720	724	726	726	723	721	712	701	694	699	703	706	712	714	713	713	711	711	712	714	0	7	51	727	13 30	692	35
31				714	715	715	715	718	720	720	725	731	733	733	730	721	712	708	704	709	720	722	720	720	717	712	714	719	0	9	30	736	15 39	702	34
MEANS ALL DAYS				686	690	692	693	695	696	698	701	703	702	697	693	689	686	678	674	675	682	684	680	680	679	681	682	688							70
MEANS TEN DAYS ✱				705	707	707	707	708	710	712	716	718	718	716	708	702	696	693	694	699	705	708	707	705	705	706	707	707							32
MEANS FIVE DAYS (G. M. T.) †				705	707	706	707	709	711	712	714 715	718 717	718	715	709	700	695	693	693	699	705	708	707	705	703	704	704	706							
MEANS FIVE DAYS (G. M. T.) ‡				609	624	628	637	639	633	638	643	661	652	639	650	653	651	628	609	603	602	598	579	582	576	588	598	622							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 229

HORIZONTAL INTENSITY

23975 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				717	715	717	718	714	718	723	724	722	720	718	717	713	707	701	702	701	704	713	715	715	714	713	710	714	0	7	10	726	16 54	698	28
2			✓	710	705	709	718	718	721	724	724	721	723	713	704	698	698	679	668	673	659	673	683	681	684	688	710	699	1	23	14	739	17 38	650	89
3				679	686	687	682	681	681	679	687	692	691	693	698	695	690	678	677	677	686	696	697	687	684	685	687	686	0	11	22	700	14 08	670	30
4			✓	694	703	696	700	696	698	702	705	701	686	700	717	680	651	655	663	643	653	613	647	600	597	646	620	669	2	22	22	736	22 07	568	168
5				628	636	628	635	680	675	661	646	624	613	622	646	650	650	644	646	655	661	666	671	669	668	663	663	650	1	4	44	703	9 46	603	100
6				666	674	674	674	685	685	680	681	693	688	682	677	661	649	623	647	651	654	651	647	654	658	671	682	667	1	23	10	697	14 47	609	88
7				668	673	685	696	689	695	682	683	697	706	704	693	674	662	659	664	673	684	687	688	692	692	690	687	684	1	10	10	711	15 00	656	55
8	✓			698	695	695	691	695	698	702	704	713	710	706	700	696	682	679	687	690	694	696	699	700	699	699	697	697	0	0	48	718	14 02	674	44
9	✓	✓		697	699	700	702	703	706	708	714	719	722	716	708	697	690	688	689	694	702	708	708	707	707	705	708	704	0	9	11	722	15 22	688	34
10	✓	✓		707	708	710	711	711	713	717	720	721	717	710	705	706	702	696	700	706	713	716	716	714	714	714	713	711	0	8	06	722	14 12	696	26
11	✓			713	714	722	720	722	727	733	733	736	735	737	732	727	718	707	705	706	718	721	719	715	710	710	709	720	0	10	10	739	15 15	700	39
12				714	715	712	719	715	713	715	721	722	720	715	717	715	710	706	708	708	708	706	708	709	707	710	711	713	0	8	53	724	13 52	705	19
13				711	712	714	716	718	719	720	725	728	734	739	737	731	717	706	705	706	702	708	707	710	713	711	709	717	0	10	31	740	17 56	699	41
14				706	713	719	719	719	719	721	723	730	730	725	712	691	699	699	696	704	708	711	710	710	711	711	711	712	0	9	07	731	12 54	685	46
15	✓			713	714	713	713	714	717	719	722	724	720	723	720	713	712	699	697	702	706	709	711	711	709	710	711	713	0	8	12	725	15 22	696	29
16	✓	✓		711	711	714	714	716	717	720	726	729	730	732	726	718	713	708	704	709	713	715	712	712	712	707	709	716	0	10	32	732	15 52	704	28
17	✓	✓		710	711	716	718	718	721	724	731	736	731	726	718	705	700	696	698	706	712	717	717	717	717	716	716	716	0	9	47	738	14 25	696	42
18				716	718	718	721	724	727	730	736	738	739	741	736	730	714	703	708	709	716	723	722	723	723	721	719	723	0	10	32	742	14 50	700	42
19				716	719	721	724	724	733	737	746	755	759	731	720	717	703	704	694	692	698	689	674	661	675	687	691	711	1	9	22	766	20 13	653	113
20	✓			692	700	703	704	705	709	710	711	714	712	709	704	701	695	692	694	700	706	707	706	704	704	704	704	704	0	8	52	715	0 07	689	26
21				711	712	711	711	711	714	716	720	722	720	711	702	694	690	691	691	705	711	716	716	717	717	720	714	710	0	8	52	723	15 08	688	35
22	✓			709	708	713	722	717	719	719	719	723	728	730	721	707	704	699	704	713	719	722	724	723	722	721	720	717	0	10	12	730	14 27	698	32
23	✓	✓		720	722	723	724	725	726	726	728	729	726	717	709	705	700	695	697	711	720	723	722	722	721	722	722	718	0	8	23	729	15 02	693	36
24				722	723	725	728	731	731	728	730	728	725	725	727	721	713	704	701	698	703	715	718	718	716	716	715	719	0	4	48	732	17 03	693	39
25				714	714	720	720	724	723	724	729	735	741	743	738	731	720	706	703	709	716	720	720	720	721	723	723	722	0	10	19	744	14 56	700	44
26			✓	720	721	725	722	728	712	714	716	719	717	720	720	718	707	700	700	697	693	692	685	665	681	694	684	706	1	3	56	745	20 08	659	86
27			✓	680	684	702	689	709	693	698	707	686	675	689	687	679	656	664	650	637	636	620	625	612	639	642	656	667	1	4	22	719	20 40	602	117
28				669	673	682	694	688	681	687	692	683	688	692	684	686	683	684	658	656	658	670	660	670	678	683	685	678	1	3	00	706	15 29	644	62
29			✓	686	692	694	692	691	692	689	692	692	695	699	699	679	683	690	681	682	668	687	693	690	684	685	684	688	1	11	05	702	17 34	650	52
30				702	710	693	691	692	693	699	693	681	707	708	698	685	688	682	680	686	692	694	691	685	700	722	700	695	1	22	31	733	11 18	671	62
31				696	696	699	702	705	700	703	704	710	712	709	697	682	670	669	681	696	705	705	701	695	704	706	703	698	0	10	00	715	14 27	664	51
MEANS ALL DAYS				700	702	705	706	709	709	710	713	714	714	712	709	700	693	687	687	690	694	696	697	694	696	700	699	701							55
MEANS TEN DAYS *				707	708	711	712	713	715	718	721	724	723	721	714	708	702	696	698	704	710	713	713	712	712	711	711	711							34
MEANS FIVE DAYS (G. M. T.) †				714	715	718	720	721	724	726	724 730	727 732	725	720	713	706	701	697	698	705	712	716	715	714	714	713	714	715							
MEANS FIVE DAYS (G. M. T.) ‡				672	678	678	678	690	685	685	685	704	699	704	705	691	679	678	672	666	662	657	667	650	657	671	671	678							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 230

HORIZONTAL INTENSITY

23975 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120^{H} MERIDIAN MEAN TIME)

SEPTEMBER 1941 SEPTEMBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				706	713	711	709	716	720	720	726	728	727	720	711	706	691	681	690	691	704	712	711	710	708	700	703	709	1	8 08	729	14 27	675	54
2				713	706	709	706	705	708	709	710	709	714	718	719	714	701	680	676	694	701	698	698	700	708	701	708	704	0	11 41	720	14 56	662	58
3	✓			711	708	708	708	708	711	711	710	712	728	735	731	714	703	700	700	705	708	711	711	711	711	711	711	712	0	10 48	737	14 28	697	40
4	✓	✓		712	714	715	716	717	721	723	728	733	737	737	729	712	699	696	700	707	714	716	715	716	715	714	713	717	0	9 37	739	14 48	695	44
5	✓	✓		713	717	717	718	720	721	723	731	741	739	734	727	720	704	702	703	707	715	716	718	719	719	718	718	719	0	8 39	741	14 55	701	40
6	✓	✓		716	718	721	722	723	726	729	731	734	735	734	727	720	715	709	709	714	720	721	722	722	721	720	719	722	0	10 01	737	15 08	706	31
7				720	721	720	721	725	730	735	740	742	736	733	734	735	734	718	717	713	719	707	713	713	707	707	700	722	1	12 44	756	23 10	699	57
8	✓			704	711	716	713	712	725	719	724	722	710	701	705	704	699	698	691	693	698	706	712	711	710	712	713	709	0	2 01	728	15 47	687	41
9				714	720	718	718	721	726	724	729	727	726	719	712	697	695	697	701	708	713	721	721	720	717	714	717	716	0	8 01	730	12 53	693	37
10	✓			717	718	717	721	723	725	726	720	722	729	728	725	717	703	705	706	714	720	721	723	721	720	721	720	719	0	9 39	731	13 30	701	30
11	✓			721	722	725	727	725	725	727	727	725	719	721	723	723	724	716	718	721	722	715	705	697	699	704	708	718	0	7 21	729	20 38	692	37
12	✓	✓		710	713	714	714	716	716	718	721	721	725	727	728	726	722	717	716	713	713	716	715	721	722	722	720	719	0	11 47	732	17 04	710	22
13			✓	721	722	722	722	724	724	725	730	739	740	736	728	722	716	716	721	732	737	745	750	727	710	674	671	723	1	19 38	759	23 17	649	110
14				687	707	706	701	704	699	702	712	726	732	725	709	692	689	674	680	677	688	700	703	708	703	698	717	702	1	9 47	737	14 50	650	87
15			✓	710	708	716	714	709	709	720	729	721	732	714	713	695	677	672	683	693	703	714	708	714	711	726	717	709	1	22 15	738	14 38	667	71
16				715	716	747	735	704	714	710	719	720	702	730	723	695	682	696	703	704	706	709	711	711	711	714	714	712	1	2 54	787	13 12	677	110
17				714	711	721	720	710	713	708	711	712	710	713	712	697	704	685	692	695	702	698	699	694	695	709	701	705	0	2 44	727	13 54	682	45
18			✓	710	724	720	716	718	721	726	732	733	733	729	729	750	782	770	746	622	608	579	461	461	404	460	498	660	2	13 25	818	21 02	379	439
19			✓	498	424	426	474	626	522	463	427	372	338	280	328	230	354	391	396	411	449	525	545	562	570	578	594	449	2	4 35	679	12 31	134	545
20			✓	602	604	617	639	615	596	610	620	606	597	597	588	608	633	635	630	622	598	601	645	626	631	623	630	616	1	19 39	695	11 48	577	118
21				632	643	645	645	645	648	649	649	652	660	660	627	639	655	648	638	628	629	651	641	663	639	662	684	647	1	23 05	696	11 44	604	92
22	✓	✓		656	652	656	660	663	665	667	668	668	671	673	674	666	655	652	663	668	673	673	672	670	671	673	675	666	0	24 00	675	1 24	647	28
23				677	681	681	683	684	687	690	695	693	696	696	691	679	674	673	675	673	687	690	690	695	690	681	677	685	0	20 15	703	23 11	653	50
24				665	685	678	677	687	693	695	698	695	693	697	689	675	670	675	678	684	686	687	684	680	675	686	687	684	0	10 43	699	0 50	654	45
25				690	691	690	698	695	686	675	670	679	682	684	664	655	658	663	660	659	659	664	661	667	678	670	670	674	1	3 01	708	16 30	652	56
26	✓			671	671	677	683	694	691	693	691	691	694	694	694	688	685	679	680	685	687	693	694	691	689	694	696	688	1	20 11	698	1 19	668	30
27				695	696	699	699	702	705	708	712	711	713	710	699	696	695	680	680	678	674	672	674	681	682	683	689	693	0	10 13	715	18 29	669	46
28				713	698	697	694	695	696	697	701	704	707	711	710	705	700	695	700	697	696	702	705	707	710	709	710	702	0	0 09	722	3 57	693	29
29				709	705	703	700	706	707	713	717	720	720	720	698	697	688	698	703	695	688	678	697	697	700	701	697	702	0	10 21	723	18 24	675	48
30				696	713	716	703	704	699	704	713	709	689	692	691	685	688	692	692	691	699	696	687	696	699	702	711	699	0	1 14	725	12 33	682	43
31																																		
MEANS ALL DAYS				691	691	694	695	700	698	697	700	699	698	696	691	682	683	680	682	680	684	688	686	687	684	686	690	690						83
MEANS TEN DAYS *				703	704	707	708	710	713	714	715	717	719	718	716	709	701	697	699	703	707	709	709	708	708	709	709	709						34
MEANS FIVE DAYS † (G. M. T.)				709	712	712	713	715	718	720	716 725	719 730	721	721	717	709	699	695	698	702	707	708	708	710	710	709	709	711						
MEANS FIVE DAYS ‡ (G. M. T.)				627	619	628	639	659	636	627	625	634	628	611	617	601	632	637	635	616	619	633	622	618	605	612	622	625						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 231

HORIZONTAL INTENSITY

23974 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1941 — OCTOBER 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				708	700	700	702	710	711	713	718	719	721	714	709	705	699	701	699	698	700	707	705	700	702	705	704	706	0	9 03	722	16 25	696	26
2				705	705	707	710	707	709	710	710	710	708	706	704	699	696	698	700	704	708	710	710	710	709	707	704	706	0	3 11	712	13 24	692	20
3	✓			704	708	716	717	718	710	704	705	705	707	708	709	706	702	700	703	700	699	700	704	705	703	700	703	706	0	4 34	722	17 45	697	25
4	✓	✓		707	705	711	712	711	711	714	717	717	717	709	700	703	709	714	720	724	720	719	719	720	719	717	716	714	0	16 56	726	11 39	699	27
5				719	721	723	728	729	731	728	725	717	718	720	718	721	721	717	717	703	702	705	703	709	711	709	711	717	0	5 58	732	17 29	699	33
6		✓		711	734	715	717	719	711	722	721	717	717	711	700	697	697	705	711	710	710	714	717	717	711	709	709	713	0	6 54	723	13 33	694	29
7	✓	✓		711	714	715	715	731	719	722	725	722	717	706	695	688	697	700	708	715	719	720	721	722	720	720	720	714	0	7 54	728	12 51	685	43
8				718	716	719	719	719	722	725	724	717	706	705	697	696	697	701	696	699	704	708	711	711	711	710	709	710	0	6 51	728	11 49	691	37
9				714	720	707	705	707	708	708	702	701	701	697	687	683	685	690	700	704	705	711	710	710	707	717	716	704	0	1 26	725	12 09	679	46
10				716	716	717	717	714	722	725	731	732	728	718	711	709	709	717	720	723	725	728	729	726	724	725	732	721	0	7 41	733	13 45	703	30
11			✓	726	723	723	728	731	737	733	731	723	715	712	714	709	705	681	690	697	674	638	646	650	660	672	685	700	1	5 31	740	18 23	625	115
12			✓	688	714	704	681	693	701	684	689	698	703	672	652	660	668	663	652	655	674	683	685	693	686	694	692	683	1	1 23	723	11 14	646	77
13				706	707	704	702	701	700	701	698	692	695	691	681	678	673	677	684	694	694	701	703	703	704	708	705	696	0	1 29	714	13 57	665	49
14				705	705	709	707	693	706	710	712	713	709	701	691	683	680	684	687	692	697	694	696	698	712	695	715	700	0	21 51	735	13 04	678	57
15				704	700	701	701	699	701	711	715	718	722	724	716	702	690	687	683	680	672	662	674	690	686	688	689	696	0	10 07	725	18 50	654	71
16			✓	692	701	697	707	709	703	705	712	716	712	704	684	684	695	689	690	694	702	704	706	704	698	701	701	700	1	8 16	716	12 16	681	35
17	✓	✓		709	702	697	699	702	714	714	719	718	715	706	697	692	695	698	697	694	698	698	696	698	703	709	716	704	0	7 01	720	16 11	689	31
18	✓			709	708	706	706	708	712	713	715	716	711	704	699	690	682	688	696	703	703	701	697	702	703	704	706	703	0	8 35	717	13 20	679	38
19				707	704	707	706	708	710	714	719	721	718	707	703	700	703	699	700	704	706	705	705	698	705	699	706	706	0	8 32	722	23 26	693	29
20				716	703	710	708	709	711	713	716	713	709	715	711	705	699	700	695	697	700	697	702	702	699	697	702	705	0	0 33	722	15 46	689	33
21	✓	✓		708	714	717	716	716	721	724	724	719	719	717	722	711	711	719	719	715	717	716	718	717	717	718	719	717	0	11 27	725	12 11	700	25
22			✓	721	723	725	726	728	701	731	731	726	723	720	718	714	703	700	709	720	727	724	722	715	715	717	718	719	1	7 10	733	14 25	695	38
23				720	695	676	688	701	700	700	700	688	684	680	669	665	669	679	686	688	691	694	698	700	698	699	692	690	0	0 51	737	11 55	661	76
24				700	706	711	716	706	705	705	701	699	710	714	707	700	700	699	702	701	694	699	702	702	703	701	721	704	0	23 27	736	17 13	690	46
25	✓			707	706	715	709	715	710	712	708	716	715	711	706	705	707	708	717	718	717	722	717	717	719	717	717	713	0	21 11	722	3 43	701	21
26				717	719	724	722	719	721	726	730	730	723	717	711	712	712	712	720	723	713	700	700	702	709	709	711	716	0	7 45	731	18 46	694	37
27	✓			728	717	729	717	714	730	731	716	704	698	696	691	690	694	700	711	710	709	704	706	706	710	717	712	710	0	5 48	742	12 21	687	55
28	✓			711	713	715	717	717	720	722	719	711	707	708	710	707	703	706	711	716	717	716	717	719	715	710	710	713	0	6 32	730	13 41	702	28
29	✓			716	726	733	725	716	719	722	718	710	713	721	732	730	723	723	727	729	722	723	723	722	726	724	729	723	0	1 59	743	8 33	704	39
30				728	728	729	729	734	733	735	736	724	718	719	721	720	720	715	723	721	720	722	714	710	712	731	721	723	0	22 39	743	20 51	708	35
31			✓	720	718	720	723	716	719	723	724	725	725	725	728	709	687	667	689	694	702	703	703	708	714	714	710	711	1	11 48	743	14 32	655	88
MEANS ALL DAYS				711	712	712	712	713	714	716	716	714	712	708	703	699	698	698	702	704	705	704	705	706	707	708	710	708						43
MEANS TEN DAYS ✱				711	711	715	713	715	717	718	717	714	712	709	706	702	702	706	711	712	712	712	712	713	714	714	715	712						33
MEANS FIVE DAYS † (G. M. T.)				716	716	718	719	723	717	724	721 724	719 720	717	710	703	698	702	707	711	712	713	713	714	715	714	715	716	714						
MEANS FIVE DAYS ‡ (G. M. T.)				709	708	701	693	703	708	699	690	718	716	707	699	695	692	680	686	692	696	690	692	694	695	700	701	698						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 232

HORIZONTAL INTENSITY

23974 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1941 — NOVEMBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	720	720	724	697	716	723	694	646	619	600	594	590	585	588	586	600	614	609	645	622	610	613	637	635	641	1	2	08	739	12 10	572	167
2	✓			635	640	649	656	660	665	667	664	659	659	664	669	673	677	680	683	683	686	690	691	690	691	693	692	672	0	23	03	694	0 47	632	62
3	✓			693	695	697	695	696	698	700	706	701	701	703	696	689	681	695	703	710	710	707	706	704	697	690	687	698	0	17	45	711	13 22	676	35
4	✓	✓		695	702	702	706	708	710	717	721	712	704	692	686	685	681	689	697	703	704	705	706	706	706	705	706	702	0	7	19	723	12 52	676	47
5				704	705	706	710	714	714	717	723	728	740	740	740	726	719	719	717	717	718	718	717	725	714	716	731	720	1	11	15	744	1 21	703	41
6			✓	712	722	707	707	725	726	712	696	690	691	691	685	694	687	696	690	666	688	694	688	675	695	688	683	696	1	21	46	742	18 30	652	90
7				694	696	688	696	694	682	685	686	679	674	673	677	680	684	687	703	701	695	698	696	697	705	702	705	691	0	21	01	713	9 25	670	43
8				723	721	725	724	723	720	719	719	716	711	688	684	685	699	689	686	693	697	698	695	704	719	716	702	706	1	0	39	730	12 26	676	54
9				703	707	728	711	705	708	710	703	700	700	707	709	713	716	722	723	726	721	710	696	688	718	702	718	710	0	2	37	733	20 36	682	51
10			✓	699	704	708	710	712	715	715	713	704	698	693	698	706	713	715	718	711	703	710	715	716	699	696	690	707	1	20	14	721	23 07	685	36
11				700	737	704	697	696	701	704	696	701	690	690	691	706	729	706	694	702	687	690	700	695	701	707	716	702	0	1	31	752	17 24	682	70
12				714	726	721	707	711	715	716	712	707	704	701	698	698	701	707	706	709	708	710	710	711	711	711	708	709	0	1	46	734	13 57	696	38
13				713	710	714	711	708	708	722	724	717	709	708	709	714	715	715	726	712	705	704	710	710	709	706	709	712	0	7	05	726	22 48	703	23
14	✓			709	718	716	713	712	714	713	710	704	703	703	703	697	695	698	701	703	712	709	712	710	713	714	717	708	0	1	12	721	12 48	694	27
15	✓	✓		718	716	718	719	716	716	712	711	720	729	728	726	724	720	720	722	724	723	717	715	717	722	722	726	720	0	10	08	731	20 31	712	19
16	✓	✓		723	726	729	731	734	732	735	732	725	713	715	720	720	724	725	726	726	727	726	725	727	725	724	725	726	0	6	14	736	9 48	710	26
17			✓	725	727	738	738	745	746	759	753	750	734	739	739	726	723	709	699	703	702	702	696	700	699	718	715	724	1	6	26	766	22 18	676	90
18				694	687	715	690	698	697	692	687	685	685	688	689	686	689	692	687	696	682	682	706	697	690	692	726	693	1	23	49	739	18 00	668	71
19				718	723	715	730	701	698	707	719	705	688	715	709	716	720	715	715	715	716	717	719	717	713	718	720	714	0	3	14	747	9 12	680	67
20				718	718	721	725	729	718	721	725	718	712	698	693	690	688	686	699	710	715	717	716	717	718	720	721	712	0	4	13	732	14 20	682	50
21				724	724	726	734	730	735	738	726	713	706	702	710	713	718	717	717	715	711	713	716	717	719	717	720	719	0	3	27	741	10 41	697	44
22				717	717	720	725	726	731	732	731	725	720	707	702	719	727	729	732	711	717	718	721	724	718	718	746	722	0	23	24	756	11 49	700	56
23				731	723	718	721	728	734	742	744	735	718	701	684	690	676	682	696	691	711	720	717	707	701	711	727	713	0	7	11	751	14 01	673	78
24	✓	✓		718	720	720	722	722	727	729	738	736	732	727	719	717	708	705	710	718	714	716	719	722	722	723	724	721	0	7	45	739	14 04	703	36
25	✓			724	730	728	727	730	738	744	749	749	742	732	725	729	728	726	725	724	725	727	724	724	728	736	734	731	0	7	45	752	15 46	717	35
26	✓	✓		734	732	731	726	731	735	742	750	748	742	728	722	717	717	717	725	735	732	727	726	726	724	726	726	730	0	7	57	751	12 23	713	38
27				726	726	726	727	729	732	737	738	742	739	727	722	733	722	714	718	734	735	730	739	739	732	738	739	731	0	20	38	746	14 33	710	36
28			✓	739	743	739	738	739	741	739	734	730	718	714	704	685	678	654	636	624	628	628	658	672	682	685	692	696	1	1	35	747	18 01	610	137
29				696	708	729	677	677	674	674	666	667	677	685	694	696	699	697	693	672	677	672	681	688	691	694	700	687	0	2	48	759	3 21	658	101
30	✓			701	702	705	705	706	710	710	710	716	722	728	724	717	710	708	704	704	708	710	711	710	712	711	711	711	0	10	33	731	15 41	701	30
31																																			
MEANS ALL DAYS				711	714	716	712	714	715	717	714	710	705	703	701	701	701	700	702	702	702	704	705	705	706	708	712	707							57
MEANS TEN DAYS *				705	708	710	710	712	714	717	719	717	715	712	709	707	704	706	710	713	714	713	714	714	714	714	715	712							36
MEANS FIVE DAYS † (G. M. T.)				720	723	725	727	730	732	738	730 739	728 739	724	718	715	713	710	711	716	721	720	718	718	720	720	720	721	722							
MEANS FIVE DAYS ‡ (G. M. T.)				684	694	697	683	685	684	684	680	699	688	686	683	679	678	672	669	664	666	676	676	675	678	685	683	681							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 233

HORIZONTAL INTENSITY

23974 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1941

DECEMBER 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	713	717	715	716	725	722	722	719	717	719	726	725	723	711	709	707	709	712	727	680	693	686	653	630	707	1	17	32	763	23 32	617	146
2			✓	647	663	652	683	660	657	655	635	644	672	670	656	631	628	656	656	666	672	688	678	691	691	687	684	663	1	21	03	701	13 13	616	85
3				694	710	705	697	692	697	703	702	699	696	683	678	689	703	708	705	702	700	702	704	705	707	711	719	700	0	23	52	722	11 22	673	49
4				721	722	719	719	721	743	744	731	711	709	699	682	688	702	711	717	716	712	700	711	701	714	705	708	713	1	5	58	752	11 52	678	74
5				710	708	711	709	704	707	704	701	694	689	684	678	682	694	704	705	706	709	708	708	709	710	710	715	702	0	23	51	718	11 43	676	42
6				716	711	718	718	705	715	719	723	721	715	696	674	686	689	705	714	712	710	711	724	728	726	725	728	712	0	3	06	742	11 45	659	83
7				729	724	717	715	717	718	722	721	712	698	680	671	677	695	702	713	716	713	708	704	713	718	720	720	709	0	0	28	731	11 44	669	62
8	✓			725	724	723	723	718	717	715	711	707	707	711	718	719	720	718	720	716	718	724	723	728	728	731	730	720	0	22	56	744	9 06	705	39
9				729	728	727	722	719	720	720	726	725	723	721	715	711	714	716	713	718	724	726	717	718	702	711	714	719	0	0	49	736	21 37	699	37
10				718	720	718	719	716	719	722	724	728	724	715	707	713	718	718	719	726	723	722	724	726	725	722	717	720	0	8	08	729	11 27	704	25
11	✓	✓		713	717	717	719	720	722	724	722	723	721	720	717	720	723	723	721	722	724	722	720	724	727	722	722	721	0	21	21	729	0 21	711	18
12	✓	✓		723	724	725	726	727	728	731	732	736	737	730	723	729	735	736	733	732	737	731	731	725	721	717	717	729	0	14	07	740	23 56	713	27
13				718	720	724	723	725	727	727	727	728	741	748	749	748	743	734	732	737	742	749	748	743	731	727	717	734	0	18	59	753	23 54	709	44
14			✓	716	716	722	725	714	720	714	707	703	711	717	721	729	730	720	712	714	709	708	711	717	720	735	718	717	1	3	00	743	17 55	691	52
15				709	711	720	726	720	735	720	719	717	715	717	712	711	709	710	704	710	715	715	714	714	715	723	717	716	0	5	11	736	15 06	701	35
16			✓	718	719	721	723	724	730	738	735	730	716	703	701	695	708	723	713	710	721	715	717	720	722	723	721	719	0	6	57	743	12 15	689	54
17				723	721	722	724	724	727	733	737	741	740	721	716	722	722	718	718	715	719	716	723	724	726	726	724	724	0	8	38	745	16 49	705	40
18				728	726	727	725	721	727	726	735	738	735	725	724	719	697	708	729	733	710	727	725	727	730	738	737	726	1	23	35	753	17 38	690	63
19				739	743	743	741	737	744	734	733	737	739	738	731	722	715	725	732	725	725	717	717	721	723	724	727	730	0	2	42	748	13 52	708	40
20	✓	✓		724	727	733	727	722	725	730	730	729	730	732	733	733	731	727	725	724	727	725	725	725	725	728	734	728	0	23	32	737	4 58	720	17
21	✓	✓		729	731	731	732	732	734	743	745	745	748	747	748	748	738	734	731	732	732	736	739	742	742	742	738	738	0	9	21	750	0 19	728	22
22	✓			737	740	743	737	738	745	766	753	759	760	750	731	718	718	728	734	738	737	737	741	741	737	739	741	740	0	9	18	762	12 33	715	47
23				747	741	738	736	737	740	742	745	748	745	731	724	735	749	747	747	748	759	746	747	743	743	736	739	742	0	13	27	751	11 24	722	29
24				757	746	746	743	746	740	737	743	752	746	740	739	742	739	732	732	733	723	710	713	711	716	717	716	734	0	0	43	779	20 58	708	71
25	✓	✓		721	733	732	728	731	730	732	739	744	750	741	727	719	720	725	735	747	741	740	738	736	734	734	735	734	0	17	04	757	14 41	717	40
26	✓			734	734	738	736	736	736	741	744	750	752	747	739	727	716	718	722	725	730	734	735	733	730	725	733	734	0	9	15	755	13 38	713	42
27		✓		734	742	734	735	735	734	735	742	747	745	739	738	736	727	723	722	723	718	724	727	713	716	720	728	731	0	8	34	749	20 22	710	39
28				728	730	728	727	729	733	735	736	742	747	740	738	741	740	735	734	734	726	726	728	731	734	731	726	733	0	9	52	748	17 41	722	26
29				730	732	735	737	739	739	740	734	739	748	737	730	732	726	723	721	710	718	725	728	726	729	733	732	731	0	9	33	751	16 28	702	49
30	✓			734	734	729	732	734	734	736	739	742	745	743	738	737	736	731	727	723	725	729	729	729	731	734	726	733	0	0	52	754	16 52	720	34
31	✓			728	732	732	726	728	732	737	738	741	742	746	745	742	737	731	729	728	728	730	727	726	726	729	726	733	0	10	21	747	24 00	717	30
MEANS ALL DAYS				722	724	724	724	722	726	727	727	727	728	722	717	717	717	719	720	721	721	722	721	722	722	722	721	722							47
MEANS TEN DAYS ✱				727	730	730	729	729	730	736	735	738	739	737	732	729	727	727	728	729	730	731	731	731	730	730	730	731							32
MEANS FIVE DAYS † (G. M. T.)				728	730	732	731	732	734	742	734 740	735 744	737	734	730	730	729	729	729	731	732	731	731	730	730	729	729	732							
MEANS FIVE DAYS ‡ (G. M. T.)				700	707	705	711	705	710	709	706	708	713	711	708	703	701	706	702	704	706	712	703	707	707	704	696	706							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
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( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 234

VERTICAL INTENSITY

50949' PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1941 — JANUARY 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				615	617	603	588	584	594	600	602	608	610	595	572	557	551	556	570	580	582	585	591	593	601	608	620	591	1	24 00	636	13 24	549	87
2	✓			629	599	586	581	575	593	602	600	596	592	586	572	563	556	558	576	587	595	597	598	601	605	598	598	589	0	0 00	636	13 46	553	83
3	✓			595	591	592	590	589	591	594	595	592	584	573	563	564	565	561	568	578	583	586	592	593	593	594	594	584	0	0 00	597	14 38	559	38
4				595	594	592	586	589	590	598	596	596	593	589	582	566	560	557	564	579	597	604	598	596	596	599	600	588	0	18 19	606	14 53	554	52
5	✓	✓		599	593	590	591	591	594	600	602	594	585	571	561	550	550	556	567	576	581	583	589	591	593	595	601	583	0	7 14	604	12 52	549	55
6				593	590	588	587	588	586	588	589	593	589	590	571	569	569	567	556	566	582	592	593	601	600	601	599	585	1	19 44	604	14 49	540	64
7				595	598	593	595	597	597	594	591	596	595	588	584	575	569	569	571	576	582	584	588	590	593	594	603	588	0	24 00	610	13 18	566	44
8				600	620	606	591	591	599	603	597	601	596	583	569	562	563	571	574	582	593	592	592	591	592	592	592	590	0	1 19	627	13 05	560	67
9				592	590	588	591	598	594	603	607	607	600	582	569	572	559	558	575	589	596	601	605	609	605	621	598	592	1	22 15	631	14 05	551	80
10				591	591	593	590	598	601	606	604	593	564	530	526	539	552	573	589	594	594	591	595	597	603	602	599	584	0	6 29	609	11 35	522	87
11				591	587	592	588	592	602	604	604	596	595	586	571	571	568	565	568	580	591	603	605	602	614	601	595	590	0	21 29	630	14 25	562	68
12	✓			591	589	585	593	594	599	599	604	598	584	560	554	577	582	589	591	595	597	596	598	598	603	600	594	590	0	7 29	607	11 08	547	60
13	✓			591	584	588	592	596	602	610	617	615	592	569	562	565	569	578	583	588	594	597	595	595	596	595	593	590	0	7 30	619	11 10	557	62
14	✓	✓		590	590	592	593	592	599	613	617	606	564	535	525	542	561	571	580	586	587	589	590	592	594	595	594	583	0	7 55	620	11 09	522	98
15	✓	✓		592	591	588	589	595	598	601	611	610	594	574	561	567	573	584	593	595	595	595	591	594	600	597	598	591	0	7 31	614	11 38	559	55
16				598	594	594	591	593	596	601	608	613	596	558	533	534	556	579	594	601	601	596	604	614	623	627	622	593	0	23 15	630	11 44	530	100
17			✓	600	593	593	593	594	600	610	620	630	591	573	559	556	552	557	567	581	593	595	597	600	636	625	621	593	1	21 53	650	14 24	543	107
18			✓	597	618	602	591	588	593	593	598	604	595	571	554	549	561	577	594	596	596	603	593	597	600	600	604	591	1	1 40	631	12 05	544	87
19				597	597	603	584	600	604	607	610	621	616	599	584	565	557	558	575	591	598	603	602	597	608	596	605	595	1	8 48	626	14 00	554	72
20				595	590	590	589	591	591	600	610	607	601	582	565	556	561	572	585	591	595	593	596	596	597	596	596	589	0	7 50	616	12 21	555	61
21	✓	✓		596	595	595	593	595	595	598	601	596	584	579	571	552	541	543	558	574	584	589	589	590	592	593	593	583	0	7 23	602	13 30	540	62
22	✓			595	595	594	592	591	591	594	592	586	575	568	557	548	550	560	568	581	587	585	586	590	591	592	594	582	0	1 25	597	12 44	546	51
23			✓	598	596	600	598	594	596	597	594	590	583	576	573	575	572	576	585	593	603	598	600	608	605	614	615	593	1	23 39	629	13 40	570	59
24			✓	608	601	582	588	591	596	610	606	589	576	559	557	558	564	569	592	599	603	605	619	634	592	617	603	592	1	20 48	700	12 10	555	145
25			✓	609	601	601	601	598	606	612	615	600	581	565	553	555	564	579	596	604	605	617	596	599	611	597	600	594	1	18 34	626	11 42	551	75
26				588	595	589	595	596	604	611	609	599	580	573	572	577	587	598	601	600	597	605	600	604	598	598	599	595	0	7 05	619	11 19	570	49
27				593	589	594	596	599	598	606	605	595	577	560	553	555	560	570	590	598	601	613	606	606	600	599	600	590	1	20 40	616	12 01	550	66
28				594	590	595	587	594	606	614	612	595	576	555	535	537	558	573	585	594	603	595	592	605	604	601	594	587	0	7 16	618	12 10	531	87
29				596	596	593	586	594	606	617	622	616	590	558	549	547	554	567	582	594	600	603	603	598	598	599	598	590	0	8 08	627	12 39	546	81
30				594	591	592	592	593	599	610	617	596	581	545	528	528	542	561	579	592	599	601	602	604	611	608	606	586	0	7 12	621	11 54	524	97
31	✓	✓		608	600	585	582	590	595	603	612	614	597	560	536	527	536	551	573	593	599	596	593	594	597	596	594	585	0	7 46	618	12 25	526	92
MEANS ALL DAYS				598	596	593	590	593	597	603	605	602	588	571	559	557	560	568	579	588	594	597	597	599	602	602	601	589						74
MEANS TEN DAYS ✱				599	593	590	590	591	596	601	605	601	585	568	556	556	558	565	576	585	590	591	592	594	596	596	595	586						66
MEANS FIVE DAYS † (G. M. T.)				594	592	591	590	591	592	597	609 601	604 600	585	564	551	548	552	561	574	585	589	590	590	592	595	595	596	584						
MEANS FIVE DAYS ‡ (G. M. T.)				600	602	595	592	595	601	607	608	603	585	569	559	559	563	572	587	595	600	604	601	608	609	611	609	593						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
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( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 235

VERTICAL INTENSITY

50949 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1941 — FEBRUARY 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		593	591	590	589	589	591	599	603	599	577	539	519	525	535	549	569	586	592	593	594	604	599	596	596	580	0	20	10608	11	31517	91
2	✓			603	603	589	584	586	593	599	602	602	599	585	566	557	555	562	570	589	605	604	605	601	595	592	592	589	0	19	54615	13	10554	61
3				593	592	589	589	594	600	602	604	598	583	549	527	529	552	563	582	612	635	629	610	615	621	620	603	591	1	17	57654	11	49522	132
4	✓			598	598	591	603	598	599	603	615	618	607	592	583	581	581	586	594	603	609	607	600	603	611	612	607	600	0	8	05623	11	52578	45
5				603	599	599	600	600	606	612	614	603	573	558	545	545	552	570	587	603	606	606	604	608	606	612	611	593	1	7	06620	11	54541	79
6				594	594	598	598	591	595	608	600	577	570	549	552	569	576	590	604	608	612	620	615	606	610	608	613	594	1	6	47629	10	40538	91
7			✓	609	598	596	587	596	604	614	611	592	569	553	555	562	570	587	594	608	615	621	601	601	613	610	597	594	1	18	30634	11	44543	91
8				595	584	590	598	593	601	609	602	592	576	560	557	561	572	579	586	597	612	612	617	605	606	600	588	591	1	19	30622	11	47551	71
9				598	596	585	593	597	598	608	616	608	595	569	570	568	566	575	590	594	595	596	595	596	597	602	599	592	0	6	58622	13	05563	59
10	✓			593	593	593	587	585	596	606	604	588	574	555	556	559	569	577	587	596	599	597	599	605	603	597	598	588	0	20	48615	11	59553	62
11	✓	✓		596	593	595	594	592	596	613	610	593	576	565	564	565	567	578	593	600	601	598	599	600	604	599	596	591	0	7	06616	11	10561	55
12	✓	✓		596	596	587	592	598	599	607	611	605	579	556	551	561	571	579	588	597	602	599	594	595	596	596	597	590	0	7	36612	11	10549	63
13			✓	594	593	593	588	593	597	607	620	612	580	555	535	528	528	534	555	581	600	602	608	619	645	615	610	587	1	21	17651	12	10526	125
14				607	592	602	595	597	599	605	618	620	597	566	542	542	548	564	576	595	603	614	602	603	605	603	599	591	1	18	07647	11	14539	108
15				598	597	591	587	592	598	608	614	616	610	567	544	538	547	552	565	584	600	611	600	610	612	611	595	589	1	8	02623	12	00534	89
16				594	592	591	592	590	597	607	618	620	607	581	563	547	547	561	575	588	598	601	598	598	598	599	600	590	0	8	25626	13	01544	82
17				598	597	594	596	591	584	591	601	612	613	605	577	554	546	552	562	579	593	627	609	604	605	596	601	591	1	18	30662	13	54543	119
18	✓	✓		600	601	597	583	588	595	605	606	611	609	596	575	566	567	573	579	586	599	599	600	599	600	600	601	593	0	8	55615	12	21564	51
19	✓			599	599	596	594	592	593	600	604	604	600	588	571	557	549	547	560	574	589	598	598	594	596	598	601	588	0	8	11606	14	19546	60
20				605	598	597	591	592	593	595	603	606	607	595	578	564	563	568	574	587	594	595	598	607	604	602	599	592	0	20	56617	12	57561	56
21			✓	598	593	594	595	590	581	591	610	603	601	582	568	562	556	559	571	583	595	599	603	607	606	617	607	590	1	20	55631	13	42553	78
22			✓	604	596	578	586	585	573	598	604	609	593	581	559	542	538	549	569	584	602	617	616	620	601	605	601	588	1	20	25631	13	45534	97
23			✓	581	591	603	575	586	576	582	600	613	606	585	559	546	539	551	569	582	591	600	602	615	620	606	599	587	1	21	40633	13	25535	98
24				578	592	594	588	580	589	595	611	619	615	598	561	528	533	551	569	584	595	603	610	609	611	598	604	588	1	8	42624	12	31524	100
25				582	598	588	585	594	596	605	618	621	612	586	566	534	526	547	572	591	602	612	611	619	618	615	608	592	1	21	40631	13	10521	110
26				604	599	588	597	595	598	604	619	624	618	595	571	551	547	562	580	592	605	617	616	608	610	602	601	596	1	18	50628	13	16545	83
27	✓	✓		602	597	593	591	595	598	608	622	632	627	606	569	542	539	548	560	577	595	602	601	602	605	604	603	592	0	8	37634	13	10538	96
28	✓			599	596	594	594	595	596	602	619	636	635	616	576	532	527	539	557	576	589	601	613	602	602	601	600	592	0	8	50640	13	01516	124
29																																		
30																																		
31																																		
MEANS ALL DAYS				597	595	593	591	592	594	603	610	608	597	576	559	551	552	563	576	591	601	606	604	606	607	604	601	591						85
MEANS TEN DAYS ✱				598	597	592	591	592	596	604	610	609	598	580	563	554	556	564	576	588	598	600	600	600	601	600	599	590						71
MEANS FIVE DAYS † (G. M. T.)				598	597	592	590	593	596	603	610 611	608 612	594	572	556	552	556	565	578	589	598	598	598	600	601	599	599	589						
MEANS FIVE DAYS ‡ (G. M. T.)				593	591	593	588	588	588	598	607	606	590	571	555	548	546	556	572	588	601	608	606	612	617	611	603	589						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
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△̄ = NO RECORD

TABLE 236

VERTICAL INTENSITY

50948 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1941 — MARCH 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	590	589	588	587	585	587	593	604	614	611	598	559	522	478	507	478	568	670	730	702	660	703	773	760	611	2	23 00	820	15 18	413	407
2				486	650	666	561	559	556	592	599	632	635	623	616	603	605	618	623	639	625	645	619	625	619	622	622	610	1	0 40	753	0 56	364	389
3				624	608	605	600	601	601	602	613	623	623	619	607	598	591	590	597	607	621	624	626	630	616	622	624	611	1	20 14	653	3 40	585	68
4				613	607	609	596	603	604	609	617	626	618	597	586	574	571	578	586	590	612	626	614	612	616	636	634	606	1	23 02	659	13 33	568	91
5				614	602	603	603	595	577	594	604	615	614	606	600	594	586	586	590	597	607	617	626	639	622	619	615	605	1	22 18	656	5 30	566	90
6				619	609	585	598	598	578	602	608	618	621	608	595	580	578	583	591	596	605	623	614	608	610	614	613	602	1	18 40	631	5 15	565	66
7				610	612	604	599	602	605	610	615	620	617	603	593	580	569	574	587	597	606	612	613	615	613	611	611	603	0	8 34	623	13 33	567	56
8	✓			606	607	606	595	598	605	602	614	617	616	595	575	562	562	575	588	598	604	606	606	610	612	609	605	599	0	7 51	625	13 20	557	68
9				605	606	607	600	595	592	608	619	629	622	601	583	563	555	568	583	594	604	607	609	609	609	608	606	599	0	8 30	632	13 13	552	80
10	✓	✓		602	600	601	596	594	604	607	608	619	621	600	588	582	582	585	590	599	606	607	607	607	608	604	603	601	0	9 14	625	12 58	579	46
11				600	600	594	600	601	603	605	617	620	611	595	578	568	562	565	578	591	601	607	610	612	612	605	601	597	0	8 00	624	13 47	561	63
12	✓			598	601	598	598	596	595	595	615	622	612	593	575	562	562	566	576	586	595	599	601	604	618	622	617	596	0	22 00	629	13 28	559	70
13				609	606	605	595	599	601	603	609	618	609	583	567	561	560	569	578	592	599	601	604	605	606	605	605	595	0	8 36	622	12 34	557	65
14			✓	606	602	602	604	597	592	587	597	618	612	590	573	559	560	559	596	606	616	659	660	649	642	632	623	606	1	20 19	707	12 50	546	161
15				606	606	600	599	599	603	606	609	629	626	612	600	595	594	590	592	607	607	604	620	620	616	614	617	607	1	8 36	632	2 44	579	53
16	✓	✓		613	614	602	601	606	602	604	616	625	623	610	592	580	574	575	579	589	599	606	609	610	610	609	609	602	1	8 22	630	13 40	573	57
17	✓	✓		606	605	604	603	602	603	606	616	619	612	594	573	558	559	566	576	588	599	603	603	605	611	610	608	597	0	8 18	620	12 50	555	65
18	✓			607	604	602	600	599	600	603	612	620	618	597	576	565	561	570	577	586	594	599	600	602	604	604	604	596	0	8 49	622	13 05	560	62
19				603	601	600	597	596	596	605	600	619	614	593	581	569	564	566	580	589	594	598	607	659	649	632	616	601	0	20 18	674	14 03	562	112
20				609	610	611	606	613	606	605	609	615	615	593	579	575	572	564	582	591	607	621	611	613	611	611	613	602	1	20 14	638	14 09	560	78
21				613	600	604	597	596	595	601	608	612	606	593	590	581	579	586	592	596	612	614	618	611	609	608	606	601	1	19 44	643	13 35	577	66
22				603	604	599	586	596	603	606	610	612	611	603	586	570	568	568	585	593	612	621	612	622	608	607	602	599	1	20 30	647	12 56	563	84
23				598	610	603	594	594	601	607	608	611	607	595	579	571	569	570	579	591	603	613	614	608	607	604	602	597	1	19 23	619	14 24	568	51
24	✓			599	608	600	606	603	595	596	605	609	608	595	582	570	565	570	580	593	604	611	605	605	606	604	603	597	0	18 26	614	13 30	564	50
25	✓			597	593	594	596	602	595	600	610	604	594	588	579	573	579	586	593	602	622	610	604	604	607	606	601	597	0	17 33	626	13 02	572	54
26	✓	✓		602	602	599	596	604	604	606	613	617	607	587	574	564	564	574	581	589	600	602	604	606	604	603	601	596	0	8 45	621	12 50	561	60
27	✓	✓		599	600	598	599	601	600	606	610	606	586	573	567	565	568	575	586	596	600	603	605	605	605	605	600	594	0	7 50	611	12 12	564	47
28			✓	599	598	598	597	597	599	603	609	623	608	572	554	546	548	558	582	591	617	650	639	639	673	627	641	603	1	21 31	698	13 10	535	163
29				591	596	588	581	574	588	601	608	610	604	590	575	571	567	581	593	601	607	608	607	614	620	620	610	596	1	21 05	642	13 14	564	78
30			✓	586	594	600	598	593	587	583	611	616	612	601	585	574	571	582	594	625	617	627	618	627	630	610	596	602	2	18 50	666	13 19	567	99
31			✓	580	583	617	581	598	577	550	569	613	590	587	578	570	586	596	599	629	618	637	664	607	608	608	610	598	1	19 42	749	5 55	525	224
MEANS ALL DAYS				600	604	603	596	597	595	600	608	618	612	597	582	571	568	574	584	597	609	619	618	617	619	618	615	601						101
MEANS TEN DAYS *				603	603	600	599	600	600	602	612	616	610	593	578	568	568	574	583	593	602	605	604	606	608	608	605	598						58
MEANS FIVE DAYS † (G. M. T.)				602	601	599	600	600	601	605	613 613	617 618	610	593	579	570	569	575	582	592	601	604	606	607	608	606	604	598						
MEANS FIVE DAYS ‡ (G. M. T.)				574	607	615	584	583	587	592	600	617	607	590	570	554	549	560	570	604	628	661	657	636	651	650	646	604						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

TABLE 237

VERTICAL INTENSITY

50948 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			606	600	605	597	585	609	613	616	621	619	609	594	581	579	584	596	605	608	610	614	614	614	614	609	604	0	8 52	624	13 06	577	47
2				610	607	606	604	603	603	605	613	623	621	606	588	577	577	581	593	600	607	607	611	615	625	611	613	604	0	21 45	636	12 49	575	61
3				606	603	600	599	595	587	604	615	622	617	610	605	589	585	584	586	598	606	606	608	612	609	615	612	603	1	24 00	624	5 28	579	45
4	✓			619	606	601	587	591	598	601	601	613	616	605	591	579	574	579	590	598	608	608	606	606	604	605	605	600	0	0 10	628	13 00	573	55
5	✓			605	604	603	603	601	601	605	614	616	608	595	587	577	576	585	595	601	603	604	605	606	603	604	603	600	0	8 04	618	13 10	573	45
6				604	604	602	601	602	599	599	603	612	606	588	580	577	584	590	597	600	604	606	606	606	607	611	605	600	0	22 48	622	12 31	575	47
7			✓	603	601	601	601	601	601	600	611	609	590	574	570	574	580	590	593	595	600	605	611	614	610	604	606	598	0	20 40	617	11 07	568	49
8				603	603	601	601	600	595	603	605	590	591	578	571	573	582	586	593	597	602	606	606	611	608	607	604	596	0	20 26	616	11 50	569	47
9				603	603	591	601	601	601	604	604	606	601	587	578	579	583	586	591	601	607	608	614	619	612	622	606	600	0	20 47	629	11 40	575	54
10			✓	591	594	596	597	600	602	606	613	619	614	593	570	563	566	573	599	603	605	607	612	607	605	604	613	598	1	23 31	630	12 25	560	70
11				602	608	593	591	599	605	594	612	614	597	582	570	574	575	578	601	601	618	606	607	612	620	608	608	599	1	17 24	636	11 53	564	72
12				601	600	592	595	596	600	604	609	612	607	595	584	572	572	582	581	594	600	607	611	618	608	609	600	598	0	19 55	633	12 40	567	66
13	✓			597	598	598	599	601	601	604	607	610	604	588	570	558	560	572	586	592	596	601	605	608	608	608	606	595	0	8 25	613	13 07	555	58
14	✓	✓		602	599	598	597	597	597	601	606	611	607	597	589	582	581	588	593	596	601	604	607	609	607	607	606	599	0	8 24	612	13 12	580	32
15	✓			604	601	598	597	598	598	602	611	621	615	593	574	568	573	580	584	589	594	600	602	604	604	608	605	597	0	8 30	622	12 44	567	55
16				605	600	597	596	594	593	598	603	613	595	593	586	575	576	583	588	592	597	606	636	614	618	608	605	599	0	19 20	646	12 34	571	75
17				605	604	602	601	601	600	601	605	609	610	601	588	585	585	588	590	596	601	601	607	608	609	610	608	601	0	9 01	613	13 21	583	30
18				606	606	607	603	603	604	607	614	621	604	604	597	590	589	592	597	599	600	603	605	613	617	612	611	604	0	8 01	631	14 16	586	45
19			✓	609	609	605	604	603	603	593	607	612	610	602	596	583	587	599	608	635	612	616	620	626	622	624	617	608	1	16 32	662	12 54	577	85
20				606	608	590	605	607	608	609	611	613	607	597	591	587	586	589	605	609	607	609	610	610	607	611	610	604	0	8 05	616	2 37	576	40
21				606	605	606	607	601	602	607	608	608	600	595	592	580	581	590	595	600	606	612	610	608	611	604	603	602	0	21 16	618	12 48	578	40
22	✓	✓		601	600	600	601	603	604	605	607	610	608	602	591	580	581	585	594	600	605	608	606	608	607	606	606	601	0	7 59	611	12 44	578	33
23	✓	✓		604	602	598	602	602	605	605	609	608	603	592	585	583	582	586	590	595	602	605	614	612	606	603	601	600	0	19 48	619	13 10	581	38
24			✓	599	597	597	599	600	601	604	610	611	606	593	577	566	565	570	577	584	634	644	644	647	644	648	629	606	2	22 16	682	13 26	562	120
25			✓	619	577	590	599	566	587	591	605	605	613	601	601	597	606	607	613	612	632	631	615	618	617	615	597	605	1	18 00	649	1 52	538	111
26				600	602	582	594	596	603	610	612	623	628	618	603	600	597	600	603	610	628	611	611	613	614	613	610	608	0	17 40	649	2 35	571	78
27	✓	✓		606	604	605	606	606	607	604	612	622	620	608	591	586	589	593	600	606	612	614	614	613	614	614	610	606	0	8 46	624	12 20	585	39
28				606	605	602	602	602	605	609	614	619	616	601	592	585	586	592	596	603	613	621	627	627	625	621	612	608	1	20 47	629	13 04	581	48
29				614	610	602	586	589	571	602	613	608	616	614	600	596	594	598	612	616	611	612	614	615	614	614	612	606	1	10 06	621	5 50	559	62
30	✓	✓		610	609	607	605	605	606	611	620	623	624	618	601	593	592	596	603	608	609	609	611	612	612	612	611	609	0	9 20	625	12 40	591	34
31																																		
MEANS ALL DAYS				605	602	599	599	598	600	603	610	613	609	598	587	580	581	587	595	601	608	610	612	614	613	612	608	602						56
MEANS TEN DAYS *				605	602	601	599	599	603	605	610	616	612	601	587	579	579	585	593	599	604	606	608	609	608	608	606	601						44
MEANS FIVE DAYS † (G. M. T.)				604	603	600	601	602	603	606	611 611	615 615	612	603	591	585	585	590	596	601	606	608	610	611	609	608	607	603						
MEANS FIVE DAYS ‡ (G. M. T.)				606	600	591	598	594	600	601	609	611	607	593	583	577	581	588	598	606	617	621	620	622	620	619	612	603						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 238

VERTICAL INTENSITY

50948 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1941 MAY 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				609	608	606	606	606	606	608	613	618	620	615	604	594	589	589	593	601	607	608	606	608	610	612	613	606	0	9 15	621	13 40	588	33
2	✓	✓		613	616	613	603	589	596	599	606	613	616	615	608	597	595	597	601	607	612	612	613	614	615	617	614	608	0	22 14	619	4 43	582	37
3	✓	✓		608	608	604	603	599	603	600	598	608	610	607	601	597	591	595	599	606	610	610	611	613	614	611	610	605	0	21 00	614	13 24	589	25
4				608	608	607	604	601	603	604	608	613	613	606	588	575	579	589	592	608	610	616	622	618	616	615	612	605	1	19 05	627	13 04	570	57
5	✓	✓		613	612	606	608	609	605	606	609	615	618	611	597	584	585	592	595	602	606	606	608	607	606	608	608	605	0	9 30	618	13 06	581	37
6				608	607	605	605	605	604	603	604	607	607	598	588	584	589	592	594	598	606	607	614	622	613	611	609	603	0	20 12	639	12 05	581	58
7	✓			609	610	609	604	603	603	602	602	603	601	593	586	587	590	597	596	604	610	612	611	610	608	607	606	603	0	18 43	612	12 56	584	28
8				605	605	604	606	608	606	606	607	607	605	599	589	583	584	586	590	597	605	607	612	608	611	605	602	602	0	21 00	616	13 05	581	35
9				602	602	602	601	608	609	601	604	607	605	602	597	587	584	589	592	601	614	615	619	620	619	606	603	604	0	21 08	626	13 23	580	46
10				600	598	600	601	598	602	602	605	607	605	599	584	578	583	586	590	599	610	613	613	614	615	612	607	601	0	21 10	617	12 38	574	43
11	✓			604	601	599	599	599	601	602	603	609	606	598	588	586	589	587	591	598	607	611	614	614	608	606	604	601	0	20 15	617	12 55	583	34
12				600	599	598	598	599	602	603	603	606	603	600	591	586	581	580	585	595	601	601	604	607	606	606	605	598	0	20 56	607	13 43	579	28
13				601	600	599	598	599	600	604	603	606	603	592	591	588	583	583	589	594	603	606	609	615	617	618	609	600	0	21 50	620	14 12	578	42
14	✓			606	604	599	599	604	602	602	602	606	604	601	590	587	587	590	594	599	603	603	608	612	609	610	607	601	0	20 25	614	12 07	583	31
15	✓			605	601	600	600	600	600	600	599	600	612	611	602	596	589	594	602	605	610	612	614	616	615	615	614	605	0	20 12	618	13 28	586	32
16				613	607	607	605	605	604	606	612	616	611	612	602	599	599	592	598	606	609	612	631	625	621	617	626	610	1	19 44	647	14 20	587	60
17			✓	612	604	605	605	604	605	604	607	613	615	612	605	593	599	596	625	620	634	649	630	636	645	631	617	615	1	18 11	682	14 34	589	93
18				611	611	613	612	609	610	608	610	617	618	620	613	612	606	600	603	610	615	614	615	618	618	619	619	613	0	10 05	621	14 10	597	24
19	✓	✓		615	612	613	604	606	615	611	614	617	617	613	609	598	597	598	600	608	613	614	615	615	614	615	614	610	0	9 59	618	13 37	595	23
20	✓	✓		613	612	611	612	611	611	610	609	612	611	605	594	590	595	598	602	611	615	614	613	612	611	611	610	608	0	17 30	615	12 20	590	25
21			✓	607	606	606	608	608	608	605	603	607	610	609	607	598	595	603	606	614	619	621	618	617	615	612	618	609	0	18 04	624	13 00	592	32
22			✓	613	608	606	598	604	608	594	595	602	609	611	606	612	614	607	607	618	629	630	634	627	627	622	617	612	1	19 40	648	6 14	584	64
23			✓	609	606	605	607	587	610	611	611	614	616	614	611	612	612	605	607	619	629	626	626	642	615	614	614	613	1	20 38	663	4 35	563	100
24			✓	608	607	606	601	597	603	601	603	619	619	623	622	616	615	616	624	628	628	627	636	636	632	626	620	617	1	19 40	643	4 25	590	53
25				617	611	601	599	597	597	604	604	609	620	616	613	612	609	595	598	611	622	619	625	627	632	626	621	612	0	21 30	634	4 57	582	52
26				618	613	601	605	605	600	599	613	616	623	623	621	614	608	599	607	612	615	618	628	622	620	620	613	613	0	19 45	636	14 20	596	40
27	✓			612	607	606	608	609	610	604	609	620	624	622	611	608	604	600	606	609	615	616	616	620	621	617	613	612	0	9 37	626	14 11	597	29
28				610	611	609	603	608	609	608	608	611	619	622	616	612	604	603	606	611	617	622	623	627	620	619	617	613	0	20 08	637	3 21	597	40
29				615	609	604	600	603	603	604	604	611	614	617	613	613	610	598	601	617	616	620	621	623	621	617	617	611	0	20 22	628	14 40	593	35
30				614	610	607	606	606	607	608	610	615	617	615	602	596	595	592	598	605	611	612	614	616	618	617	614	609	0	9 54	619	14 07	591	28
31				611	611	608	608	606	607	604	607	615	621	614	615	609	603	601	601	610	614	612	612	614	617	627	623	611	0	22 40	636	15 15	599	37
MEANS ALL DAYS				609	607	605	604	603	605	604	606	611	613	610	602	597	596	595	600	607	613	615	617	619	617	615	613	608						42
MEANS TEN DAYS ✱				610	608	606	604	603	605	604	605	610	612	608	599	593	592	595	599	605	610	611	612	613	612	612	610	606						30
MEANS FIVE DAYS † (G. M. T.)				609	608	607	606	605	606	604	607 604	613 609	614	610	602	593	593	596	599	607	611	611	612	612	612	612	611	607						
MEANS FIVE DAYS ‡ (G. M. T.)				612	609	606	603	599	606	604	605	611	614	614	610	606	607	605	614	620	628	631	629	632	627	621	617	614						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⌧ = NO RECORD

TABLE 239

VERTICAL INTENSITY

50948 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1941 — JUNE 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				608	606	596	596	603	600	599	600	604	607	604	601	600	601	600	603	610	607	607	609	610	613	608	608	604	0	21	23	616	3 02	574	42
2	✓	✓		608	604	604	604	602	602	601	600	601	605	605	597	597	600	599	599	603	605	605	607	607	607	607	606	603	0	21	56	608	12 07	596	12
3	✓	✓		605	604	603	603	603	602	601	597	599	596	593	593	593	593	592	594	600	606	605	606	605	605	606	605	600	0	19	04	607	14 24	591	16
4	✓	✓		603	604	605	605	603	601	600	597	600	601	598	593	588	579	579	591	601	604	604	604	603	601	600	599	598	0	2	49	606	14 17	578	28
5	✓	✓		598	598	598	598	600	600	599	596	601	606	602	596	590	591	590	589	599	605	606	605	604	603	602	600	599	0	9	24	607	15 11	585	22
6				600	600	599	600	601	602	602	601	602	604	600	592	585	586	585	588	597	602	604	606	608	607	607	602	599	0	22	17	610	12 51	582	28
7	✓			598	597	597	599	600	600	600	600	605	606	606	599	594	589	589	590	599	602	604	605	605	604	605	605	600	0	10	00	608	13 31	588	20
8	✓			602	599	598	598	600	601	601	600	601	601	602	597	593	587	585	590	597	607	606	605	605	604	603	600	599	0	17	30	608	14 51	584	24
9				598	597	596	596	599	599	599	600	603	602	597	591	587	584	582	583	592	593	599	608	609	607	607	601	597	0	19	23	611	14 23	581	30
10			✓	600	597	595	596	595	597	596	591	596	603	607	605	601	590	590	592	598	607	614	613	617	617	625	622	603	1	22	38	629	13 37	587	42
11			✓	619	603	599	597	595	595	596	595	598	598	600	602	599	591	588	589	597	603	606	608	606	604	603	602	600	1	0	44	623	14 05	573	50
12				598	596	596	596	599	600	599	599	602	606	609	606	599	598	589	592	601	601	602	604	606	616	610	605	601	0	22	00	628	14 52	586	42
13			✓	601	602	601	601	599	597	595	594	599	603	603	599	586	583	590	592	602	626	641	622	624	628	610	611	605	1	18	59	698	12 47	579	119
14			✓	608	611	617	604	591	581	588	591	581	592	598	604	608	606	610	616	612	610	611	614	615	605	608	608	604	1	2	48	626	8 26	565	61
15			✓	608	605	603	602	601	600	595	596	600	603	610	612	610	610	597	598	617	634	620	628	631	625	618	613	610	1	17	01	654	15 00	593	61
16	✓	✓		609	606	606	599	599	599	601	603	603	606	603	600	594	590	594	600	605	608	609	610	610	610	610	607	603	0	0	23	612	13 34	590	22
17				608	607	607	608	607	606	605	606	611	615	612	605	597	592	590	590	604	604	606	612	608	608	606	604	605	1	9	24	617	14 56	584	33
18				604	604	595	604	605	602	589	580	586	600	609	609	609	612	611	606	610	610	609	608	607	606	604	603	603	1	13	50	615	7 32	573	42
19				602	604	604	603	606	605	605	604	606	607	603	599	595	592	594	597	602	604	606	608	609	612	614	612	604	0	23	09	616	13 44	591	25
20				607	606	601	601	604	598	596	597	595	601	604	605	608	604	613	616	613	614	617	622	619	615	611	605	607	1	19	10	628	8 41	591	37
21				602	598	597	598	596	600	601	597	606	611	608	600	593	592	597	599	602	608	612	611	611	608	605	602	602	1	18	43	618	13 50	586	32
22				600	597	597	592	603	603	603	600	599	603	599	587	586	590	585	590	606	615	608	607	606	606	603	601	599	0	17	19	624	14 31	579	45
23	✓			598	598	597	597	596	600	597	600	604	607	603	596	593	590	587	590	596	603	603	603	603	603	603	601	599	0	9	29	610	14 44	585	25
24				599	594	596	596	599	597	600	600	605	607	606	599	590	583	585	587	593	600	610	607	608	609	613	599	599	0	22	13	623	13 47	583	40
25	✓			596	592	589	592	586	596	598	593	603	609	609	606	600	596	594	595	599	603	602	603	603	603	601	599	599	0	8	58	610	4 16	576	34
26				596	594	593	593	593	597	596	594	595	604	606	597	596	594	591	596	603	604	603	605	608	605	604	600	599	0	20	46	611	8 31	587	24
27				596	593	586	586	585	586	589	592	599	602	602	592	588	586	583	582	593	598	602	609	609	612	605	596	595	1	21	55	619	5 06	577	42
28				594	594	592	592	592	592	593	595	604	608	609	603	593	586	585	586	593	602	598	600	602	603	606	603	597	0	10	20	610	14 08	585	25
29				599	595	593	593	589	593	593	595	603	606	608	601	590	580	575	582	592	595	597	599	600	601	600	600	595	0	10	18	609	14 57	572	37
30	✓			598	596	595	593	595	596	596	596	600	603	604	600	596	587	583	586	594	598	601	602	603	604	603	601	597	0	10	40	606	13 55	581	25
31																																		
MEANS ALL DAYS				602	600	598	598	598	598	598	597	600	604	604	600	595	592	591	594	601	606	607	608	609	608	607	604	601							36
MEANS TEN DAYS *				602	600	599	599	598	600	599	598	602	604	602	598	594	590	589	592	599	604	604	605	605	604	604	602	600							23
MEANS FIVE DAYS † (G. M. T.)				603	603	602	603	603	602	601	599 599	601 603	603	600	596	592	591	591	595	602	606	606	606	606	605	605	603	601							
MEANS FIVE DAYS ‡ (G. M. T.)				608	604	604	600	597	595	596	597	595	600	604	604	601	596	595	597	605	616	618	617	619	616	613	611	604							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 240

VERTICAL INTENSITY

50948 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1941 — JULY 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				597	596	596	594	593	594	593	594	599	606	603	591	580	577	579	590	602	604	602	602	599	599	599	599	595	0	10	00	606	13 36	576	30
2	✓			598	598	598	596	596	595	592	595	603	605	604	596	586	583	583	590	602	601	600	602	602	603	602	601	597	0	8	54	606	13 46	581	25
3				599	598	598	598	598	598	598	601	604	604	602	587	581	580	578	582	592	596	598	596	595	592	594	601	595	0	10	00	605	14 42	577	28
4			✓	600	598	594	595	596	595	593	594	595	596	591	582	571	578	581	588	601	604	604	607	612	609	605	604	596	1	20	18	617	12 38	568	49
5			✓	607	610	616	610	609	597	600	600	590	591	597	583	589	571	582	638	741	714	792	873	808	758	758	814	660	2	19	37	955	20 39	544	411
6			✓	691	669	667	660	655	650	654	656	662	661	655	648	641	632	629	635	639	653	654	655	656	640	652	628	652	1	21	58	677	23 53	602	75
7			✓	628	628	613	600	602	611	609	622	609	619	654	638	610	605	602	636	626	623	625	632	632	633	631	628	622	1	10	36	659	2 57	589	70
8				625	619	619	619	622	626	627	629	632	630	623	615	605	601	605	617	632	626	630	634	634	640	632	628	624	0	16	40	647	13 30	595	52
9				620	613	614	607	620	621	620	622	630	633	629	617	610	606	606	609	615	619	620	622	625	629	628	619	619	1	22	07	645	14 00	603	42
10				612	610	609	606	610	604	607	607	605	608	611	611	605	604	611	618	622	618	618	619	622	626	624	626	613	1	21	42	635	5 02	596	39
11				620	606	601	594	578	585	602	611	620	623	619	613	606	597	594	600	606	613	620	622	623	626	623	623	609	0	21	52	627	4 42	565	62
12				619	615	612	611	609	609	609	607	610	616	615	607	600	599	599	601	609	616	620	622	636	628	615	614	612	0	20	39	644	14 16	596	48
13	✓	✓		611	608	608	608	608	608	607	608	614	621	617	606	595	587	589	597	604	610	613	614	616	617	616	614	608	0	9	30	623	13 45	585	38
14	✓	✓		612	610	608	607	607	606	606	606	613	616	616	611	607	604	600	598	603	609	609	610	613	613	612	612	609	0	9	59	617	15 34	597	20
15	✓			609	609	608	606	605	602	605	605	609	612	613	612	599	590	594	600	604	608	610	612	615	613	610	610	607	0	20	56	617	13 43	589	28
16				609	606	603	603	603	603	603	600	605	612	613	608	597	592	594	592	601	608	607	607	608	610	611	608	604	0	10	34	615	13 10	586	29
17				607	608	609	605	601	598	599	596	604	617	617	614	612	611	605	608	614	608	608	608	609	611	611	611	608	0	10	11	619	5 18	592	27
18	✓			608	604	601	606	608	607	606	603	607	613	614	610	603	596	594	596	604	607	607	607	609	609	609	607	606	0	9	51	616	14 30	593	23
19				606	605	602	605	605	606	605	602	604	606	602	600	602	603	598	595	604	611	610	609	609	608	606	606	605	0	17	40	612	2 44	593	19
20				606	605	605	603	605	608	605	602	605	612	612	608	603	605	599	597	605	612	609	612	613	615	609	606	607	0	21	19	617	15 04	595	22
21			✓	605	602	603	604	599	602	606	602	604	608	601	591	595	591	588	608	632	651	652	644	636	630	625	617	612	1	19	05	681	12 51	582	99
22				613	615	613	600	600	614	613	613	613	613	617	609	604	600	591	597	602	612	617	618	624	623	626	623	611	1	22	12	630	3 25	587	43
23				617	605	603	607	607	610	611	611	619	619	619	604	593	583	580	591	606	617	615	620	620	620	624	617	609	0	22	51	627	14 10	572	55
24				612	609	606	609	609	609	611	609	603	612	610	609	606	602	590	593	600	609	612	615	616	617	612	616	608	0	23	20	619	14 49	586	33
25				613	608	601	603	605	606	608	611	615	618	614	605	589	579	588	597	607	617	617	617	621	618	615	614	608	0	20	49	624	13 47	569	55
26	✓	✓		609	603	603	600	604	606	606	608	615	620	617	609	597	587	587	591	600	605	608	610	613	614	612	609	606	0	9	59	620	14 19	583	37
27	✓	✓		605	603	602	601	600	602	603	606	618	623	621	612	597	589	587	589	600	607	607	608	610	610	609	608	605	0	9	30	625	13 59	586	39
28	✓			606	603	603	602	603	603	601	603	612	619	618	605	591	586	587	589	595	605	606	609	609	608	608	607	603	0	9	37	621	13 38	585	36
29	✓	✓		604	601	603	601	601	601	600	600	606	610	610	599	590	584	578	582	591	598	599	601	604	607	604	604	599	0	10	03	613	14 54	577	36
30	✓			602	601	601	600	597	598	597	595	603	608	604	588	578	582	581	586	597	601	604	604	605	607	607	607	598	0	9	30	610	12 03	575	35
31				607	593	601	601	598	598	600	598	604	610	612	611	610	598	581	583	593	600	602	602	604	604	604	604	601	0	9	50	613	14 31	578	35
MEANS ALL DAYS				612	608	607	605	605	606	606	607	611	615	615	606	598	594	592	600	611	616	619	623	623	621	619	619	610							53
MEANS TEN DAYS *				606	604	604	603	603	603	602	603	610	615	613	605	594	589	588	592	600	605	606	608	610	610	609	608	604							32
MEANS FIVE DAYS † (G. M. T.)				607	605	604	603	602	602	602	606 603	613 611	618	616	607	597	590	588	591	600	606	607	609	611	612	611	609	605							
MEANS FIVE DAYS ‡ (G. M. T.)				633	628	626	618	618	620	621	624	612	615	620	608	601	595	596	621	648	649	665	682	669	654	654	658	631							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 241

VERTICAL INTENSITY

50947 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1941

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				604	610	601	601	601	595	591	597	606	611	608	599	587	579	581	587	597	605	608	607	607	608	608	608	600	0	9	40	611	13 32	575	36
2			✓	611	608	606	602	602	603	601	594	608	608	608	602	598	588	585	598	595	605	625	626	625	625	662	619	608	1	22	26	690	13 58	580	110
3				624	614	609	604	604	601	598	600	598	600	598	591	591	592	592	596	603	612	616	615	615	618	615	614	605	0	0	04	633	11 39	588	45
4			✓	609	607	612	609	611	603	604	606	609	603	600	590	590	588	600	604	635	621	646	665	670	675	632	648	618	2	19	20	735	22 25	540	195
5				644	622	613	616	593	589	580	599	599	592	612	615	612	609	607	608	609	613	616	616	616	616	619	626	610	1	0	12	665	4 48	557	108
6				622	614	610	609	596	599	597	610	622	623	623	619	609	599	597	601	622	635	632	638	634	626	625	619	616	1	19	25	642	4 22	573	69
7				615	605	595	601	596	585	596	589	593	613	621	620	615	608	602	595	607	615	615	622	616	616	615	615	607	1	19	29	629	5 22	571	58
8	✓			614	608	605	606	605	605	598	600	615	622	622	621	607	596	589	589	599	612	616	615	615	615	613	612	608	0	9	59	625	15 12	586	39
9	✓	✓		610	608	606	606	606	606	607	609	620	626	623	615	600	586	583	587	596	606	609	612	612	612	612	612	607	0	9	31	626	14 05	582	44
10	✓	✓		607	605	603	602	603	603	603	606	615	622	613	599	587	581	583	589	599	606	608	609	611	611	610	609	604	0	9	30	622	13 42	580	42
11	✓			608	606	603	602	600	599	599	603	613	618	622	615	600	589	588	589	594	602	604	601	599	596	598	600	602	0	10	41	623	13 27	584	39
12				596	596	601	596	601	601	598	599	611	614	613	607	595	587	589	593	602	607	609	609	609	615	609	608	603	0	21	46	618	13 27	584	34
13				606	605	603	603	602	600	602	599	604	609	607	604	598	594	592	591	596	606	612	609	609	609	609	609	603	0	18	05	618	15 00	588	30
14				609	603	600	602	602	602	600	596	603	612	614	613	609	597	586	589	597	603	606	609	609	610	609	609	604	0	10	20	615	13 58	583	32
15	✓			608	607	606	606	605	604	603	603	607	604	607	610	610	604	597	597	600	605	607	607	607	610	608	608	605	0	11	30	611	15 00	597	14
16	✓	✓		607	607	607	607	607	604	601	600	608	611	609	606	602	597	593	595	598	603	605	608	609	608	611	611	605	0	22	34	613	14 05	592	21
17	✓	✓		608	607	602	605	605	605	603	605	611	615	614	607	598	591	589	594	601	606	607	607	606	607	605	605	604	0	9	11	617	14 20	588	29
18				606	606	605	605	604	602	601	601	610	616	611	607	604	597	591	590	596	604	606	606	606	606	604	605	604	0	9	22	618	15 05	587	31
19				608	604	601	601	601	601	601	601	605	604	609	604	597	597	590	597	607	610	619	629	639	629	626	615	608	1	20	18	646	14 38	584	62
20	✓			616	607	606	607	607	606	607	609	617	621	621	613	595	583	590	594	602	608	612	613	615	616	615	613	608	0	10	06	623	13 10	581	42
21				609	606	605	606	606	606	606	612	622	626	623	607	588	583	584	592	599	606	612	615	615	613	610	609	607	0	9	12	627	13 20	581	46
22	✓			607	605	602	598	606	607	608	610	618	621	614	599	586	579	578	582	591	601	605	608	608	608	608	605	602	0	9	19	623	14 38	577	46
23	✓	✓		602	600	600	600	600	601	604	610	617	617	610	604	588	581	581	585	595	603	607	607	607	607	606	605	602	0	8	59	620	13 40	579	41
24				602	600	599	599	599	602	603	609	617	624	623	608	591	582	579	573	587	606	604	606	608	610	610	608	602	0	9	47	628	15 40	571	57
25				604	601	601	598	594	598	597	598	607	613	613	613	607	600	588	583	587	598	604	606	607	608	607	606	602	0	9	30	614	15 05	581	33
26			✓	603	601	609	599	603	599	599	600	604	607	607	606	595	581	579	582	587	600	604	613	627	629	626	629	604	1	24	00	643	13 57	577	66
27			✓	637	624	620	618	603	601	593	582	594	595	601	601	591	588	595	592	614	631	661	637	653	650	657	640	616	1	18	25	676	7 29	578	98
28				624	621	613	598	607	611	584	600	598	607	607	607	607	607	598	602	610	617	637	621	629	631	624	622	612	1	18	33	652	6 40	571	81
29			✓	621	614	613	611	609	611	611	611	618	622	622	614	602	595	592	595	602	625	613	614	616	646	637	615	614	1	21	45	671	14 46	589	82
30				612	603	622	612	604	598	599	599	586	603	613	613	608	604	602	609	609	615	613	616	626	617	613	616	609	1	11	20	635	8 32	582	53
31				617	614	612	607	607	608	607	611	616	617	617	621	617	610	608	604	604	611	613	614	621	614	611	614	612	0	20	47	624	3 49	596	28
MEANS ALL DAYS				612	608	606	604	603	602	600	602	609	613	613	608	599	593	591	593	601	610	615	615	618	618	617	614	607							55
MEANS TEN DAYS ✲				609	606	604	604	604	604	603	606	614	618	616	609	597	589	587	590	598	605	608	609	609	609	609	608	605							36
MEANS FIVE DAYS † (G. M. T.)				606	605	602	603	602	602	602	606 605	614 613	618	614	606	595	587	586	590	598	605	607	609	609	609	609	608	604							
MEANS FIVE DAYS ‡ (G. M. T.)				628	617	615	610	602	600	591	596	607	607	608	603	595	588	590	594	607	616	630	631	638	645	643	630	612							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 242

VERTICAL INTENSITY

50947 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1941 — SEPTEMBER 1941

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				614	610	608	609	602	607	604	606	610	618	620	624	619	610	607	600	607	624	613	612	612	612	619	626	612	1	23	54	637	15 30	598	39
2				609	621	610	612	609	607	609	606	609	616	615	610	603	593	600	609	603	609	617	618	617	618	617	607	610	0	1	26	632	0 26	587	45
3	✓			606	609	609	607	606	606	608	616	625	625	620	613	606	589	581	586	597	609	611	611	612	612	610	609	608	0	8	43	629	14 41	580	49
4	✓	✓		607	606	606	607	606	605	606	606	614	618	616	609	593	584	583	584	596	609	611	611	611	610	610	609	605	0	9	58	619	14 01	583	36
5	✓	✓		606	605	604	603	603	602	600	606	618	627	630	625	610	594	585	588	597	607	610	610	610	610	610	610	607	0	10	22	631	14 17	584	47
6	✓	✓		607	606	604	604	604	603	602	606	613	620	620	613	600	589	589	594	600	605	608	610	611	610	610	609	606	0	9	57	621	14 03	587	34
7				607	605	603	602	601	600	601	607	614	610	608	598	582	573	576	581	595	605	616	618	618	642	637	610	605	1	22	13	668	12 46	567	101
8	✓			607	598	597	599	589	594	606	612	614	609	605	595	591	591	592	595	601	608	614	614	614	615	614	612	604	0	7	02	618	4 47	575	43
9				607	604	600	601	597	594	600	609	620	618	616	608	594	587	587	587	596	604	607	608	610	612	613	610	604	0	8	50	624	13 50	585	39
10	✓			609	606	604	602	600	603	608	617	616	616	614	606	590	587	590	592	594	603	606	606	610	612	612	610	605	0	7	36	621	13 41	586	35
11	✓			608	606	602	602	602	602	602	608	617	619	615	606	594	582	582	581	585	598	606	610	625	620	621	614	604	0	20	55	641	15 29	575	66
12	✓	✓		608	608	606	605	602	599	601	609	614	615	607	599	594	586	585	585	592	601	605	608	606	607	608	609	602	0	9	18	617	15 03	583	34
13			✓	608	606	605	605	604	604	604	608	614	612	609	599	590	582	580	583	588	595	593	592	608	634	651	635	605	1	22	38	657	13 50	579	78
14				621	612	613	604	603	603	602	597	600	605	603	596	589	583	587	613	607	619	616	615	623	616	619	610	606	1	20	07	633	13 50	582	51
15			✓	610	611	606	603	607	603	591	607	614	609	608	596	587	584	593	596	606	615	617	609	616	618	612	593	605	1	21	50	632	13 22	580	52
16				608	608	608	614	605	582	602	606	616	612	610	594	580	573	577	589	602	610	612	611	610	610	609	608	602	1	4	07	629	13 36	571	58
17				607	608	608	600	609	605	603	608	620	621	613	595	574	571	577	584	588	612	619	617	620	623	616	619	605	0	21	52	631	16 34	559	72
18			✓	611	600	606	604	604	604	607	615	623	624	619	590	560	515	538	553	608	658	668	792	759	792	759	575	628	2	21	06	841	13 23	496	345
19			✓	670	759	598	558	507	520	548	463	561	594	608	640	663	653	686	718	745	726	670	660	651	646	642	634	630	2	1	07	792	4 43	412	380
20			✓	634	635	623	581	601	653	656	653	658	662	652	638	612	589	601	624	641	663	683	664	664	654	647	638	639	1	19	34	750	3 48	546	204
21				633	627	627	630	633	636	641	643	641	634	628	614	601	602	608	628	644	657	657	647	643	655	637	634	633	1	20	06	692	12 37	598	94
22	✓	✓		638	631	628	627	629	634	640	644	642	634	622	614	603	595	601	607	613	622	631	636	637	636	634	631	626	0	8	00	646	13 19	593	53
23				629	627	624	626	626	626	627	633	633	628	625	613	604	602	604	608	617	627	630	630	633	641	656	654	626	0	23	09	665	13 52	600	65
24				643	619	617	614	614	619	624	630	631	628	618	610	607	604	601	610	616	622	627	630	643	647	632	627	622	0	21	03	656	14 12	599	57
25				625	624	623	618	623	619	624	632	614	623	620	613	608	600	601	613	633	636	633	635	641	642	649	646	625	1	22	06	653	13 29	597	56
26	✓			645	639	628	618	601	621	625	628	631	625	615	602	598	598	598	601	607	614	621	624	624	627	630	630	619	1	0	42	653	4 06	591	62
27				629	627	624	623	621	621	621	624	624	621	617	610	610	606	610	615	622	629	632	635	635	636	634	635	623	0	23	53	641	13 52	603	38
28				624	627	626	624	624	624	624	625	629	629	615	617	590	588	593	602	611	617	620	620	620	621	624	630	618	0	0	00	637	13 44	587	50
29				631	629	626	623	620	617	613	623	623	620	610	597	587	586	589	597	611	627	633	626	623	623	623	627	616	0	18	38	638	12 54	583	55
30				625	615	618	618	618	612	618	629	636	633	614	603	589	585	589	604	618	622	628	638	623	620	621	622	617	0	19	22	644	13 22	583	61
31																																		
MEANS ALL DAYS				620	620	612	608	606	608	611	613	620	621	616	608	598	589	593	601	611	622	624	627	628	631	629	619	614							80
MEANS TEN DAYS ✱				614	611	609	607	604	607	610	615	620	621	616	608	598	590	589	591	598	608	612	614	616	616	616	614	609							46
MEANS FIVE DAYS † (G. M. T.)				611	610	608	608	608	607	607	614 612	620 618	623	619	612	600	590	589	592	600	609	613	615	615	615	614	614	609							
MEANS FIVE DAYS ‡ (G. M. T.)				633	648	614	597	590	599	610	592	614	620	619	613	602	585	600	615	638	651	646	663	660	669	662	615	623							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 243

VERTICAL INTENSITY

50947 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				622	621	621	618	609	618	622	629	631	627	613	597	590	589	597	606	618	623	624	622	624	622	622	619	616	0	8 15	633	12 46	587	46
2				618	618	617	617	621	622	629	634	634	627	609	593	587	587	591	599	611	618	621	622	622	621	621	622	615	0	8 02	638	12 56	585	53
3	✓			622	618	616	619	616	625	624	629	632	626	615	586	573	573	582	599	616	626	629	628	626	626	625	622	615	0	8 00	636	13 21	570	66
4	✓	✓		619	617	616	618	619	622	626	632	638	633	619	593	573	571	583	599	612	620	623	623	622	622	620	620	614	0	8 38	639	12 59	567	72
5				617	615	615	614	615	619	623	632	632	630	613	589	570	569	580	596	613	622	629	633	625	621	622	620	613	0	9 10	636	12 50	567	69
6		✓		619	613	616	616	616	619	623	626	632	630	616	602	583	573	569	581	602	615	620	619	626	628	627	624	612	0	9 00	635	14 24	566	69
7	✓	✓		622	619	616	615	616	618	623	630	638	633	615	593	582	572	572	588	606	617	617	618	619	621	620	619	612	0	8 52	639	14 14	570	69
8				616	615	613	612	612	615	622	628	639	635	617	599	587	583	581	591	609	618	621	620	621	621	621	621	613	0	8 29	644	14 12	579	65
9				622	621	618	612	612	616	625	634	631	612	591	570	566	569	579	592	608	619	620	621	622	629	622	616	609	0	21 48	641	12 30	565	76
10				615	614	613	612	611	610	616	623	631	630	618	597	583	576	576	589	600	613	614	625	617	619	619	618	610	0	8 54	632	14 05	573	59
11			✓	619	620	616	611	607	612	616	626	626	622	610	599	580	570	570	587	604	623	665	661	675	662	654	635	620	1	18 33	687	13 40	568	119
12			✓	634	616	627	610	616	619	629	606	622	631	623	616	596	591	590	607	622	625	628	633	632	626	627	629	619	1	20 06	646	14 03	586	60
13				618	616	618	619	620	621	627	634	641	637	626	606	587	580	587	594	609	621	631	629	625	628	625	624	618	0	8 50	649	13 27	577	72
14				624	620	617	621	621	625	631	635	644	646	637	617	595	576	577	592	608	618	625	629	633	629	630	638	620	0	23 21	649	14 08	573	76
15				625	619	620	620	621	623	623	630	637	637	627	604	588	582	590	614	628	640	650	647	637	637	635	635	624	0	18 05	657	13 17	579	78
16			✓	637	632	629	618	622	625	620	625	627	623	610	590	585	588	599	610	625	628	627	625	626	637	626	623	619	1	21 18	646	11 59	583	63
17	✓	✓		624	633	621	620	628	611	624	630	632	628	618	600	582	577	587	605	625	629	632	635	632	627	625	621	619	0	19 45	638	13 27	576	62
18	✓			621	622	622	622	623	626	630	637	642	637	619	594	579	573	580	599	619	629	632	633	631	630	628	624	619	0	8 28	645	13 10	571	74
19				626	627	625	624	623	625	626	633	638	633	618	596	588	579	584	602	618	627	630	631	633	638	639	630	621	0	22 02	648	13 42	577	71
20				635	620	615	616	619	624	631	640	644	633	617	592	578	574	578	592	618	626	631	631	632	633	633	629	618	0	8 03	646	13 07	568	78
21	✓	✓		624	619	619	621	621	624	631	635	635	628	623	603	601	599	598	606	619	625	625	625	626	625	625	623	620	0	7 49	637	14 13	596	41
22			✓	621	619	618	617	619	619	625	632	637	634	615	596	584	579	584	594	610	618	625	626	628	636	633	630	617	1	8 03	639	12 58	577	62
23				635	653	638	622	612	613	625	619	632	628	614	598	576	573	587	602	618	627	630	627	628	632	636	632	619	0	1 32	689	12 59	567	122
24				625	618	605	616	619	621	625	634	635	630	618	603	603	595	596	604	615	625	626	628	632	635	638	634	620	0	23 10	648	14 20	595	53
25	✓			626	624	618	608	610	624	630	630	631	622	612	598	582	581	592	602	615	622	625	625	625	625	628	627	616	0	8 07	635	13 22	579	56
26				628	625	621	621	622	624	627	630	632	631	621	608	598	595	596	604	612	624	637	627	631	628	628	626	621	0	18 43	649	14 03	595	54
27	✓			626	625	621	624	618	615	615	628	630	626	619	605	601	602	608	615	621	627	629	629	627	628	624	625	620	0	7 08	636	12 50	599	37
28	✓			624	622	621	621	621	621	630	635	632	628	622	605	599	599	602	609	615	620	625	626	624	625	631	628	620	0	7 43	637	12 40	598	39
29	✓			618	614	610	618	624	626	628	630	640	630	619	601	592	593	600	608	617	626	624	623	622	622	620	619	618	0	8 37	643	12 49	591	52
30				621	620	620	622	619	625	629	635	635	629	610	597	594	590	596	603	615	622	623	628	629	630	627	619	618	0	8 26	637	13 32	588	49
31			✓	618	619	618	619	623	627	630	632	631	622	603	582	572	578	595	614	621	629	631	629	626	629	628	628	617	1	21 48	636	11 56	569	67
MEANS ALL DAYS				623	621	619	618	618	620	625	630	634	630	616	598	586	582	587	600	614	623	628	628	628	629	628	625	617						65
MEANS TEN DAYS *				623	621	618	619	620	621	626	632	635	629	618	598	586	584	590	603	616	624	626	627	625	625	625	623	617						57
MEANS FIVE DAYS (G. M. T.) †				619	618	617	616	617	619	625	631 632	635 638	630	618	598	584	578	582	596	613	621	623	624	625	625	623	621	615						
MEANS FIVE DAYS (G. M. T.) ‡				628	630	627	617	614	612	622	625	629	626	612	597	583	581	588	602	616	625	635	635	637	638	634	629	618						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 244

VERTICAL INTENSITY

50947 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

NOVEMBER 1941 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME) NOVEMBER 1941

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	630	632	629	616	593	597	606	637	630	618	602	599	604	613	639	648	654	663	682	668	677	672	631	669	634	1	18 20	718	4 03	572	146
2	✓			654	630	613	618	623	635	640	640	635	629	616	605	599	599	610	622	629	632	632	633	636	636	634	633	626	0	0 00	662	13 10	597	65
3	✓			631	629	627	630	628	633	640	639	633	629	615	605	598	596	607	620	629	635	635	634	633	635	642	640	627	0	22 49	647	13 13	592	55
4	✓	✓		627	622	623	624	624	629	638	646	649	647	627	608	598	597	599	611	627	633	635	631	630	631	629	639	626	0	8 30	652	12 37	595	57
5				622	624	623	624	625	629	636	643	645	634	628	615	610	609	612	621	629	630	629	628	630	633	637	631	627	1	7 56	650	13 47	606	44
6			✓	630	620	629	619	607	620	623	642	639	629	618	584	569	566	584	619	636	660	669	656	660	647	639	640	625	1	21 32	706	12 58	563	143
7				630	638	629	623	624	630	631	640	655	655	644	621	603	602	606	622	629	639	641	641	646	640	637	636	632	0	8 33	661	13 40	601	60
8				625	624	620	622	625	628	629	640	644	636	627	611	598	588	600	621	628	647	637	637	635	638	640	635	626	1	17 18	652	13 43	585	67
9				631	627	612	625	626	630	631	637	636	632	619	602	599	598	605	616	624	631	638	644	654	642	653	645	627	0	23 57	664	13 08	596	68
10			✓	632	625	623	623	622	625	635	638	638	632	625	605	594	590	596	611	624	640	634	632	635	662	662	639	627	1	22 05	678	13 11	589	89
11				629	624	631	618	624	629	636	640	625	625	617	596	592	598	608	622	632	645	651	635	639	635	635	629	626	0	18 24	656	12 10	590	66
12				629	622	624	628	625	629	637	639	641	635	621	602	589	589	602	616	625	632	631	629	628	629	633	630	624	0	7 58	644	12 47	586	58
13				630	629	627	628	627	621	627	631	634	626	613	601	592	594	604	618	629	635	635	641	635	634	635	632	624	0	19 15	645	12 40	590	55
14	✓			632	628	629	629	630	635	642	646	648	639	621	598	590	590	597	607	619	627	635	634	631	630	630	630	625	0	8 25	650	13 13	587	63
15	✓	✓		632	631	628	628	631	632	639	636	634	631	625	613	603	603	610	619	626	630	633	634	629	628	631	629	626	0	6 51	642	12 50	600	42
16	✓	✓		627	625	626	625	627	632	639	639	631	616	597	580	579	587	599	610	620	627	630	629	627	627	626	625	619	0	6 47	642	12 00	577	65
17			✓	626	624	621	624	627	631	636	641	631	605	574	564	570	580	601	624	650	659	645	647	655	658	650	626	624	1	22 33	682	11 59	560	122
18				648	632	619	626	624	628	642	642	635	616	601	586	586	590	600	618	631	642	650	652	650	641	641	625	626	1	19 23	665	11 56	583	82
19				619	625	622	612	633	636	635	635	632	622	591	586	580	590	606	619	626	632	636	632	637	632	629	629	621	0	20 16	650	12 33	576	74
20				629	628	627	624	624	635	642	654	650	639	624	606	596	590	592	600	619	626	629	627	629	632	630	628	624	0	7 29	661	14 03	586	75
21				626	623	622	615	623	633	639	649	647	634	607	584	582	583	596	607	620	629	631	631	632	634	641	638	622	0	8 28	653	13 06	578	75
22				628	625	622	618	618	618	629	634	642	643	628	588	562	568	590	609	628	636	634	632	632	638	642	630	621	0	9 02	646	12 52	559	87
23				628	627	624	618	601	610	620	624	636	643	642	635	624	611	605	605	616	624	627	632	638	645	640	634	625	0	21 00	651	4 48	592	59
24	✓	✓		630	628	624	623	624	620	623	630	639	640	633	626	613	603	601	603	610	617	623	627	629	630	630	633	623	0	9 06	643	14 39	600	43
25	✓			630	627	626	625	623	619	623	626	631	630	624	617	604	591	586	595	613	621	627	629	628	631	631	630	620	0	21 33	634	14 07	584	50
26	✓	✓		630	630	619	625	621	623	625	625	630	634	634	627	618	599	588	586	600	615	625	626	634	630	628	629	621	0	20 26	637	15 32	585	52
27				628	625	624	622	623	625	628	632	635	632	625	610	578	568	574	593	603	617	624	629	630	636	630	629	618	0	21 39	639	13 22	567	72
28			✓	626	624	624	623	626	629	636	639	641	640	624	604	584	592	591	627	663	686	684	656	647	646	644	643	633	1	18 03	708	12 33	579	129
29				639	633	614	648	636	624	641	646	641	625	615	605	605	614	624	634	651	654	653	646	644	641	638	635	634	0	3 23	673	2 50	578	95
30	✓			635	631	631	632	638	648	658	658	647	626	599	587	591	600	613	624	633	639	636	633	633	636	632	635	629	0	6 59	661	11 20	586	75
31																																		
MEANS ALL DAYS				630	627	624	624	623	627	634	639	638	631	618	602	594	593	602	615	627	637	639	637	638	638	637	634	625						74
MEANS TEN DAYS *				633	628	625	626	627	631	637	638	638	632	619	607	599	596	601	610	621	628	631	631	631	631	631	632	624						57
MEANS FIVE DAYS † (G. M. T.)				627	625	624	624	625	627	632	635 636	637 635	634	623	611	602	598	599	606	617	624	629	629	630	629	629	631	623						
MEANS FIVE DAYS ‡ (G. M. T.)				640	631	621	627	626	629	638	642	636	625	609	591	584	588	602	626	645	662	663	652	655	657	645	643	631						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 245

VERTICAL INTENSITY

50946 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1941 — DECEMBER 1941

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	632	627	627	626	626	637	649	655	652	633	605	589	585	594	597	612	620	639	667	691	679	711	719	714	641	1	21	46 780	12	51 582	198
2			✓	649	648	661	636	636	644	641	640	624	601	592	587	597	618	633	640	653	656	651	646	653	643	648	638	635	1	0	00 702	11	20 581	121
3				628	617	624	628	638	648	656	669	668	650	624	603	595	602	614	629	641	644	644	641	640	640	637	632	634	0	7	30 671	12	23 594	77
4				632	632	628	629	626	630	642	656	664	647	628	594	570	572	589	612	626	638	652	664	656	655	645	639	630	1	19	24 678	13	01 566	112
5				634	633	629	629	622	631	643	653	665	657	634	610	595	590	602	621	635	642	643	638	639	645	642	635	632	0	8	28 667	13	24 589	78
6				634	635	632	619	631	631	633	649	662	649	636	610	588	584	599	615	634	641	637	633	634	638	640	640	629	0	8	22 669	13	13 577	92
7				635	635	632	631	632	635	638	652	660	656	635	609	586	569	574	591	616	636	642	645	638	638	639	639	628	0	8	54 661	13	24 566	95
8	✓			635	631	629	627	630	636	643	653	660	641	616	589	566	563	585	604	621	632	636	635	637	637	640	641	624	0	8	01 664	13	01 558	106
9				635	635	629	629	630	633	639	643	647	646	628	609	590	575	583	601	619	628	635	642	655	652	637	639	627	0	20	57 661	13	32 573	88
10				630	629	629	631	634	637	643	643	637	636	617	591	578	578	589	606	622	627	631	631	638	642	642	645	624	0	6	46 646	13	07 575	71
11	✓	✓		636	631	628	628	631	635	643	648	649	639	616	598	589	584	590	602	615	626	631	632	631	636	636	635	625	0	8	02 652	13	27 582	70
12	✓	✓		634	632	631	631	631	632	637	644	649	645	630	609	592	586	593	606	619	625	628	632	636	640	643	640	627	0	8	15 649	13	33 584	65
13				634	630	627	630	632	632	634	637	635	632	618	603	593	584	589	599	606	613	618	626	632	649	648	645	623	0	21	42 661	14	02 582	79
14			✓	652	650	636	632	636	636	639	640	626	610	601	584	584	596	607	617	626	633	648	642	644	643	645	638	628	1	1	24 655	11	57 578	77
15				634	631	627	624	624	620	632	636	637	627	657	609	605	609	613	621	624	628	632	631	632	638	636	629	627	0	21	53 647	12	45 602	45
16			✓	627	629	629	629	631	628	634	635	643	644	625	604	599	603	607	621	631	636	637	634	634	634	632	635	628	0	9	22 651	11	48 594	57
17				632	631	631	631	635	639	646	648	648	637	616	592	583	589	596	609	623	632	642	639	638	634	635	640	627	0	8	05 651	12	12 581	70
18				638	635	627	631	635	630	631	650	652	637	610	595	589	590	594	596	617	644	648	642	639	637	635	634	626	1	18	02 662	15	08 585	77
19				635	629	622	629	635	638	645	648	644	641	626	609	596	596	593	594	615	629	639	643	638	636	639	636	627	0	7	44 650	14	50 592	58
20	✓	✓		633	628	622	625	630	636	647	659	659	653	634	609	591	589	599	611	624	630	636	637	638	640	640	640	630	0	7	43 663	12	58 586	77
21	✓	✓		631	628	628	628	629	631	637	642	643	638	615	599	589	587	596	606	619	628	632	631	632	632	632	632	624	0	8	03 645	13	02 584	61
22	✓			631	628	625	625	626	631	631	635	638	636	631	622	609	592	581	587	603	618	625	625	628	635	633	631	622	0	8	16 638	14	30 579	59
23				630	632	628	626	623	624	626	631	635	640	631	602	581	576	581	596	609	622	628	626	635	640	643	647	621	0	23	10 648	12	37 574	74
24				645	639	628	622	622	623	628	626	624	633	624	616	613	615	610	613	620	626	635	639	641	639	639	638	627	0	0	31 655	13	54 609	46
25	✓	✓		634	629	629	627	622	628	626	624	631	630	628	620	610	601	597	607	612	622	627	627	629	629	630	630	623	0	0	02 636	14	20 595	41
26	✓			630	630	626	625	626	629	626	624	627	627	626	619	610	608	611	612	616	620	621	624	624	631	634	626	623	0	22	08 640	12	47 607	33
27			✓	630	627	626	624	625	628	618	621	630	627	617	609	601	596	602	617	627	631	630	631	637	634	635	639	623	0	23	11 640	13	21 594	46
28				635	628	630	630	630	633	634	628	628	625	612	596	597	609	618	626	635	640	637	632	630	630	632	638	626	0	17	58 642	11	50 593	49
29				631	628	629	628	626	637	644	647	632	634	621	602	593	599	612	624	634	637	632	628	630	631	627	628	626	0	7	17 651	12	51 590	61
30	✓			630	631	630	627	628	628	637	634	627	623	609	600	600	606	616	631	640	639	634	631	631	628	624	631	626	0	6	47 643	11	47 598	45
31	✓			632	634	628	628	626	632	635	635	618	613	603	591	583	586	599	615	625	629	628	627	628	628	628	634	620	0	6	54 640	12	50 581	59
MEANS ALL DAYS				634	632	629	628	629	633	637	642	642	636	621	603	592	592	599	611	623	632	636	637	638	640	640	639	627						74
MEANS TEN DAYS ✲				633	630	628	627	628	632	636	640	640	634	621	606	594	590	597	608	619	627	630	630	631	634	634	634	624						62
MEANS FIVE DAYS † (G. M. T.)				632	630	627	628	629	631	633	643 636	646 638	641	625	607	594	589	595	606	618	626	631	632	633	635	636	635	625						
MEANS FIVE DAYS ‡ (G. M. T.)				636	631	635	630	633	637	642	644	635	623	608	595	593	601	609	621	631	639	647	649	649	653	656	653	631						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 246

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1942 — JANUARY . 1942

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		716	718	703	705	703	716	745	757	757	739	714	690	676	656	656	666	678	691	692	693	695	695	696	697	702	0	8 03	760	14 02	652	108
2				697	700	704	709	716	728	748	764	768	757	729	693	661	651	647	657	665	673	675	676	688	711	716	724	702	1	8 40	778	13 53	644	134
3			✓	737	713	706	675	706	716	736	756	757	735	705	676	656	660	663	674	676	685	692	695	685	688	723	715	701	1	8 58	777	3 27	636	141
4			✓	708	707	706	705	715	731	736	747	755	761	757	734	689	681	661	659	668	687	690	678	678	682	712	736	708	1	9 12	766	15 07	649	117
5			✓	729	728	720	719	718	708	725	743	765	758	731	703	685	670	664	660	671	686	695	708	690	696	702	716	708	1	9 04	772	15 36	654	118
6				721	721	706	705	716	723	726	722	730	736	735	721	698	688	674	664	665	670	684	683	685	692	703	713	703	0	9 41	745	15 57	659	86
7				716	714	685	703	706	706	704	723	737	749	744	726	705	693	663	659	654	665	680	693	706	695	697	696	701	0	9 47	757	15 55	647	110
8	✓			700	703	703	702	706	711	722	734	736	738	737	732	726	706	687	682	677	676	682	687	692	695	701	707	706	0	9 40	743	17 35	675	68
9				705	705	705	706	712	717	725	738	754	768	765	750	718	687	675	674	674	677	685	690	694	695	695	701	709	0	9 20	775	15 12	670	105
10				708	709	705	705	716	725	737	738	726	728	733	717	702	684	675	665	666	671	675	680	683	689	711	704	702	0	6 40	747	15 47	661	86
11				719	727	716	714	718	727	737	744	758	748	736	713	690	669	663	664	671	670	675	685	687	691	693	703	705	0	8 46	768	14 50	659	109
12				705	716	717	701	714	730	749	759	756	744	721	695	683	677	679	684	689	694	693	687	687	693	697	701	707	0	7 56	768	13 11	675	93
13				706	711	707	707	696	715	736	738	738	727	702	675	665	660	659	665	682	685	685	688	686	686	693	700	696	0	7 14	748	14 15	657	91
14				701	705	706	709	717	721	727	731	737	746	728	693	682	682	683	677	681	681	683	685	685	688	695	697	702	0	9 10	750	15 05	675	75
15				702	706	706	714	717	726	729	744	748	736	696	654	644	650	655	675	685	689	686	692	697	701	715	716	699	0	8 25	754	12 24	641	113
16				706	707	712	715	720	731	747	756	757	755	739	709	685	678	681	685	685	691	695	705	715	710	706	709	712	0	8 47	760	13 42	676	84
17			✓	716	717	716	721	724	733	747	753	767	744	715	675	636	626	627	632	639	650	667	675	683	687	695	710	694	0	8 25	769	13 48	623	146
18			✓	706	706	708	715	716	726	740	756	769	778	737	684	665	655	657	666	674	683	685	685	688	694	706	699	704	0	9 12	789	13 18	657	132
19				699	700	706	712	706	718	720	749	760	744	721	686	659	644	654	669	680	683	690	697	696	696	705	704	700	0	9 33	772	13 33	638	134
20	✓			706	706	706	709	713	721	736	746	760	762	738	707	675	651	643	657	675	685	690	697	696	696	696	697	703	0	9 13	777	14 29	642	135
21	✓	✓		699	700	703	702	709	718	729	737	746	742	727	711	694	670	653	654	670	680	681	681	687	693	696	697	699	0	8 56	749	14 50	649	100
22				697	699	705	707	707	717	729	745	764	778	766	732	696	665	642	634	652	664	672	683	686	699	704	719	703	0	9 53	783	15 15	633	150
23				714	715	716	717	717	724	744	758	756	752	741	726	703	681	663	652	660	670	676	682	686	694	703	715	707	0	8 00	768	15 23	650	118
24	✓	✓		707	706	706	707	712	716	720	730	737	747	747	737	718	687	675	668	674	676	681	683	685	688	693	695	704	0	10 12	756	15 35	665	91
25				697	701	703	706	706	706	695	691	694	703	710	709	704	689	675	674	674	677	685	690	686	690	692	695	694	0	10 59	716	17 02	672	44
26	✓	✓		695	704	704	704	708	716	731	733	739	735	726	718	712	707	698	687	685	685	690	694	689	688	692	694	706	0	8 35	745	15 48	683	62
27	✓			695	696	696	706	700	706	716	719	716	710	695	685	685	681	672	672	676	688	695	687	692	693	695	706	695	0	7 56	725	15 05	668	57
28				708	707	703	701	706	715	727	743	738	744	737	707	720	708	690	683	683	685	686	693	701	717	706	716	709	0	9 47	763	15 25	678	85
29	✓			709	716	705	701	687	706	725	735	737	729	715	696	690	685	680	678	682	683	685	688	693	693	693	693	700	0	8 44	744	15 40	676	68
30	✓			701	707	706	706	719	726	734	747	758	757	741	719	695	670	662	665	673	679	687	690	692	691	694	695	705	0	9 02	762	14 22	657	105
31	✓	✓		698	701	698	698	695	702	727	741	747	732	718	706	696	680	670	665	669	681	685	687	685	687	694	695	698	0	8 20	750	16 19	661	89
MEANS ALL DAYS				707	709	706	707	710	719	731	741	747	745	729	706	688	674	666	667	673	679	685	688	690	694	701	705	703						102
MEANS TEN DAYS ✲				703	706	703	704	705	714	728	738	743	739	726	710	697	679	670	669	676	682	687	689	691	692	695	698	702						88
MEANS FIVE DAYS † (G. M. T.)				697	700	703	707	709	715	724	740 733	745 740	739	726	712	699	680	670	668	675	683	686	688	688	690	694	696	701						
MEANS FIVE DAYS ‡ (G. M. T.)				713	712	709	711	714	721	729	743	763	755	729	694	666	658	654	658	666	678	686	688	685	689	708	715	702						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 247

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1942

FEBRUARY 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			698	705	706	706	714	719	734	747	758	747	726	693	674	665	656	655	657	673	681	677	675	685	686	698	697	0	8	54	760	14	50	653	107
2				705	706	706	705	716	720	741	767	754	736	696	675	660	652	647	651	655	661	684	675	685	686	722	696	696	1	7	22	778	13	48	643	135
3	✓			714	705	702	705	708	716	734	740	747	738	717	705	692	675	666	674	675	685	693	696	696	697	700	696	703	0	8	27	757	14	17	664	93
4	✓			695	695	696	703	706	711	723	739	756	745	714	684	665	647	635	645	662	683	694	685	693	700	701	703	695	0	8	26	758	15	12	631	127
5			✓	696	699	704	705	714	725	743	759	780	782	764	726	695	654	625	626	644	661	684	698	706	706	714	725	706	1	8	43	788	14	56	623	165
6			✓	716	708	696	717	724	735	751	772	787	790	738	706	683	675	670	667	675	677	690	751	720	717	707	699	715	1	9	12	809	15	30	662	147
7				722	737	747	723	683	713	737	755	774	758	727	689	662	635	634	643	664	685	716	695	690	698	698	698	703	0	8	24	780	14	27	626	154
8	✓	✓		699	694	694	699	705	716	736	757	768	768	737	698	672	655	645	656	674	683	683	684	684	688	693	695	699	0	9	08	773	14	40	640	133
9	✓	✓		698	696	698	700	706	710	720	730	759	779	748	691	645	624	620	620	634	654	670	685	686	692	697	707	690	0	9	20	786	15	32	616	170
10				704	698	697	698	703	711	728	745	763	760	747	719	692	672	655	655	662	673	680	681	696	717	704	701	703	0	8	54	769	14	55	652	117
11				686	695	699	706	704	706	724	726	747	750	730	705	685	673	663	664	672	678	686	693	703	697	698	699	700	0	9	14	757	1	55	652	105
12	✓	✓		707	708	709	717	719	727	734	739	737	730	708	686	677	670	669	676	685	688	685	685	686	686	690	690	700	0	7	42	744	14	30	667	77
13	✓			696	699	700	701	708	717	730	757	760	747	727	697	670	659	653	656	670	680	684	678	680	685	685	688	697	0	7	50	770	14	47	647	123
14				693	696	701	706	706	721	743	768	778	766	738	709	680	660	652	653	665	675	676	675	676	685	698	717	702	0	8	42	783	15	00	647	136
15				701	699	701	705	709	715	730	762	768	747	720	695	665	639	630	634	653	678	685	685	692	693	692	690	695	0	8	14	780	14	26	621	159
16				696	701	703	705	705	716	734	756	775	772	747	706	664	644	642	643	654	670	683	687	686	693	709	706	700	0	9	06	786	14	30	636	150
17				701	699	705	704	710	708	711	747	776	788	768	737	696	656	645	645	654	677	693	690	687	693	695	695	703	0	9	43	797	15	02	638	159
18	✓	✓		696	698	698	699	705	706	720	740	761	768	746	714	674	636	625	632	654	677	692	688	687	690	689	691	695	0	9	07	785	14	40	622	163
19	✓	✓		694	695	698	699	702	706	716	737	757	769	766	747	720	685	658	652	655	670	682	682	684	685	686	692	702	0	9	48	776	15	20	648	128
20				693	696	696	697	703	705	713	725	756	769	768	749	707	675	662	655	662	675	686	695	694	689	694	706	703	0	9	34	777	15	35	652	125
21				703	695	701	696	700	704	708	727	744	758	747	719	685	663	654	655	662	683	686	687	687	693	695	695	698	0	9	46	771	14	34	645	126
22				695	695	694	695	695	700	706	725	747	757	744	716	685	657	651	655	668	684	693	693	694	693	690	693	697	0	9	18	760	14	30	648	112
23			✓	695	707	706	690	693	707	719	727	737	749	756	725	680	653	644	649	666	681	688	694	695	707	724	766	702	1	23	47	782	14	37	644	138
24			✓	756	734	746	761	752	669	727	756	779	778	758	732	704	665	646	642	644	666	667	668	678	685	690	708	709	1	8	47	790	16	00	623	167
25				706	700	706	706	705	706	718	737	757	756	747	738	708	678	661	661	667	676	688	687	691	691	695	704	704	0	9	03	766	14	50	656	110
26	✓			705	696	699	703	664	696	707	699	746	756	747	726	695	667	658	663	665	675	684	685	686	687	694	695	696	0	8	55	758	4	23	647	111
27				694	695	698	697	704	705	706	734	766	777	769	748	707	675	658	654	655	672	686	686	686	688	689	694	702	0	9	34	778	15	40	651	127
28			✓	697	695	704	706	692	708	716	724	736	757	752	729	696	668	656	656	665	664	665	674	685	683	706	747	699	1	9	40	760	15	11	652	108
29																																				
30																																				
31																																				
MEANS ALL DAYS				702	702	704	706	706	711	725	743	760	761	741	713	684	660	649	651	661	675	685	688	690	693	698	703	700								131
MEANS TEN DAYS ✲				700	699	700	703	704	712	725	738	755	755	734	704	678	658	648	653	663	677	685	684	686	690	692	696	698								123
MEANS FIVE DAYS † (G. M. T.)				697	697	698	699	704	710	721	741 739	756 759	763	741	707	678	654	643	647	660	674	682	685	685	688	691	695	697								
MEANS FIVE DAYS ‡ (G. M. T.)				731	719	720	722	713	706	730	752	764	771	754	724	692	663	648	648	659	670	679	697	697	700	708	729	708								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 248

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1942

MARCH 1942

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M	MINIMUM H M	RANGE
1			✓	755	714	705	704	702	705	719	741	763	777	773	747	709	674	653	701	683	599	614	611	602	670	674	687	695	2	15 50	839	17 40	479	360
2			✓	698	682	665	672	580	681	709	746	747	746	735	734	702	689	680	676	688	699	701	709	721	706	709	716	700	1	8 53	805	4 53	542	263
3			✓	707	716	702	691	696	697	706	717	747	778	778	753	715	674	641	625	643	657	685	681	700	708	715	751	703	1	10 09	789	15 50	613	176
4				743	730	704	695	690	697	695	712	746	764	767	751	718	692	662	673	668	680	704	687	695	696	697	696	707	1	10 47	776	14 47	634	142
5			✓	697	669	690	697	690	695	705	715	739	752	737	715	680	653	633	622	622	643	664	671	674	678	685	684	684	1	9 28	756	15 41	611	145
6				712	799	782	719	708	716	701	726	746	756	751	737	698	667	653	644	668	674	684	695	685	698	694	693	709	1	1 24	832	15 45	640	192
7				694	694	694	695	695	698	710	726	753	767	770	746	715	653	621	612	622	643	664	705	684	687	697	693	693	1	10 39	777	15 49	607	170
8			✓	687	685	695	696	695	710	726	732	758	757	756	725	707	683	666	663	664	671	685	705	707	695	699	705	703	1	10 31	805	15 08	657	148
9				705	715	706	679	665	663	664	695	715	699	704	704	669	662	642	646	653	655	669	684	696	694	704	707	683	1	8 44	742	14 37	632	110
10				702	713	708	703	696	691	677	685	725	742	742	730	708	695	674	663	669	683	696	701	693	689	703	717	700	0	10 20	746	6 44	657	89
11	✓			705	695	705	705	709	709	715	729	754	753	746	729	705	675	653	647	657	674	684	691	689	691	694	694	700	0	8 53	767	15 26	641	126
12	✓	✓		694	694	694	694	694	694	699	706	727	747	756	741	715	682	665	655	651	659	674	679	684	686	692	694	695	0	10 20	757	15 57	644	113
13				694	694	695	695	696	701	711	717	735	728	736	718	695	674	659	650	645	650	674	685	715	725	736	710	697	1	21 48	757	16 55	637	120
14				705	708	718	705	705	712	697	722	746	747	736	725	699	673	653	642	636	654	673	705	726	709	704	684	699	1	8 53	757	16 16	626	131
15	✓			702	695	694	694	702	703	705	701	713	734	737	726	705	694	684	674	665	673	683	684	691	728	714	691	700	0	21 32	757	16 18	661	96
16	✓	✓		693	702	702	703	704	704	707	715	726	736	733	719	697	674	658	655	663	673	676	682	684	686	687	689	694	0	10 22	738	15 00	650	88
17	✓			701	703	694	692	694	697	702	709	724	730	725	715	695	673	656	653	668	676	680	684	684	687	688	691	693	0	9 36	733	15 31	648	85
18				691	686	688	693	683	681	691	697	712	726	736	725	699	676	662	653	647	643	663	668	678	699	700	704	688	0	24 00	737	17 28	640	97
19				738	714	707	694	689	689	704	712	730	739	736	725	705	691	675	668	664	671	676	680	681	684	693	704	699	0	0 18	754	16 53	661	93
20				723	732	714	718	724	712	710	686	704	728	728	714	689	673	656	662	673	675	683	693	693	693	693	694	699	0	1 00	752	14 57	649	103
21				694	693	693	693	696	704	713	729	748	766	765	727	685	653	632	629	642	665	690	693	701	703	702	699	696	1	10 20	775	15 42	621	154
22				682	693	694	693	683	692	713	717	732	737	736	720	684	671	657	662	667	676	700	693	694	692	704	694	695	0	9 30	748	14 36	652	96
23				694	694	684	689	700	702	704	706	715	736	734	714	689	674	663	656	663	669	679	689	692	699	693	714	694	0	9 39	742	15 19	652	90
24	✓			714	700	704	706	682	697	707	724	737	747	746	725	693	668	656	652	662	677	687	683	683	685	695	694	697	0	9 57	754	14 58	650	104
25	✓	✓		697	695	695	696	697	706	707	723	736	736	734	716	694	668	652	646	656	669	684	687	688	695	692	692	694	0	8 57	739	15 18	641	98
26				694	693	694	695	697	700	706	723	735	745	745	724	693	662	631	630	642	671	706	673	688	704	717	692	694	1	10 00	747	14 45	609	138
27	✓	✓		694	708	688	691	693	703	712	724	727	734	725	706	678	663	652	656	668	676	683	685	686	688	694	693	693	0	8 29	743	15 07	651	92
28	✓	✓		693	692	688	684	684	683	694	709	720	729	735	728	708	683	666	663	663	673	682	684	686	692	691	693	693	0	10 45	737	16 05	661	76
29				693	693	693	693	693	694	694	700	715	724	714	704	683	662	641	641	645	652	670	676	683	685	718	703	686	0	22 39	754	15 29	635	119
30				694	694	695	695	695	701	707	717	728	724	724	714	695	671	663	661	664	671	677	683	687	689	707	700	694	0	9 00	731	14 44	651	80
31	✓			707	694	723	700	699	704	705	716	730	728	724	714	698	687	677	671	669	673	674	675	682	684	690	692	696	0	8 56	739	1 23	658	81
MEANS ALL DAYS				703	703	700	696	691	698	704	715	733	742	741	725	698	674	656	653	658	665	679	685	689	694	699	699	696						128
MEANS TEN DAYS *				700	698	699	696	696	700	705	716	729	737	736	722	699	677	662	657	662	672	681	683	686	692	694	692	695						96
MEANS FIVE DAYS † (G. M. T.)				695	695	693	692	693	695	701	715 712	727 726	736	737	722	698	674	659	655	660	670	680	683	686	689	691	692	693						
MEANS FIVE DAYS ‡ (G. M. T.)				713	728	712	691	668	691	695	719	751	762	756	735	703	675	655	657	660	654	670	675	681	691	696	709	698						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 249

DECLINATION

APRIL 1942

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				692	692	692	692	686	692	700	713	731	734	730	712	685	660	643	649	657	663	672	675	683	685	692	693	688	0	7	42	746	14	43	641	105
2				693	693	694	694	694	695	699	706	722	732	729	713	692	677	661	648	634	635	641	651	661	705	692	713	686	1	24	00	754	19	55	622	132
3			✓	744	735	730	731	723	704	715	729	724	732	723	709	682	655	646	641	638	649	669	687	692	711	714	703	699	1	0	29	764	16	42	631	133
4			✓	691	692	694	692	701	691	672	700	714	723	713	710	699	669	642	649	657	671	723	782	716	713	713	767	700	1	19	10	827	15	00	619	208
5				757	714	735	742	686	705	720	726	729	735	731	720	700	679	670	669	673	701	696	690	695	716	711	701	708	0	0	23	805	15	23	663	142
6	✓			692	685	692	689	692	691	692	701	721	728	732	716	692	672	663	664	672	682	691	687	692	696	692	691	693	0	9	46	735	15	01	661	74
7	✓	✓		690	691	691	689	689	684	691	702	720	734	737	730	706	682	670	664	672	679	684	687	692	695	692	691	694	0	10	34	742	15	50	663	79
8				690	690	689	687	691	690	687	695	718	732	722	706	672	659	639	631	622	644	673	682	690	692	703	701	684	1	9	22	744	16	00	610	134
9				701	678	673	690	694	703	705	715	732	732	725	710	683	665	662	663	672	674	684	701	695	703	692	690	693	0	8	29	742	15	00	659	83
10	✓			690	692	691	692	691	681	691	703	716	726	731	722	703	682	665	662	663	673	682	684	688	691	692	692	692	0	10	19	734	15	34	659	75
11			✓	692	690	687	687	687	687	682	679	685	696	675	672	675	669	651	628	629	659	643	653	705	700	741	715	679	1	22	50	755	16	31	599	156
12	✓			700	699	696	697	693	697	703	712	723	722	714	700	682	664	660	661	667	675	679	685	692	695	692	693	692	0	8	47	725	14	40	655	70
13				695	697	695	692	693	696	703	714	722	726	720	700	682	666	666	672	674	677	682	684	689	695	755	731	697	1	22	22	782	14	07	661	121
14				726	701	671	690	681	673	682	675	698	703	693	690	670	653	667	679	682	677	690	686	690	690	690	690	685	1	0	10	745	13	00	648	97
15	✓			692	692	692	693	695	696	700	713	733	739	724	692	670	661	661	668	676	680	683	687	692	690	691	690	692	0	9	16	737	14	10	658	79
16				689	689	689	684	691	691	693	705	724	739	731	702	671	649	653	653	668	667	669	673	683	686	691	691	687	0	9	52	745	13	46	638	107
17			✓	691	697	696	686	664	649	671	669	684	697	695	688	683	671	653	671	660	673	728	689	694	700	743	752	688	1	18	22	800	5	41	633	167
18			✓	722	709	701	690	685	690	690	699	723	724	724	720	691	672	658	659	662	678	699	691	702	703	741	736	699	1	22	56	778	14	26	648	130
19				702	701	681	685	687	686	688	690	701	710	699	691	691	677	662	660	665	681	691	682	697	702	698	694	688	0	21	01	720	15	42	657	63
20				691	691	688	671	678	686	690	702	717	729	733	722	702	680	661	659	663	673	681	687	704	700	699	696	692	0	10	10	740	3	49	650	90
21	✓	✓		690	691	691	689	681	688	691	701	720	731	729	717	694	675	662	662	671	680	681	683	685	690	691	693	691	0	9	33	733	15	50	660	73
22	✓	✓		691	688	686	682	690	692	696	707	721	730	720	702	678	664	660	664	670	672	676	680	683	685	684	685	688	0	9	21	733	14	18	660	73
23				683	683	683	684	686	686	690	692	712	724	722	710	686	669	656	651	650	658	651	651	679	691	692	699	683	1	10	04	729	15	56	640	89
24				699	660	671	681	692	698	702	702	713	717	716	700	678	670	659	660	666	660	675	679	691	698	702	697	687	0	9	06	735	1	25	627	108
25	✓	✓		694	695	695	694	696	697	697	703	712	722	722	713	702	691	682	675	677	689	691	694	697	702	700	702	698	0	9	11	724	15	28	672	52
26	✓	✓		702	702	701	700	696	696	700	702	712	730	731	722	710	698	691	681	673	684	691	691	686	688	690	691	699	0	10	29	733	16	20	671	62
27				691	691	691	691	687	686	689	691	702	708	709	701	688	673	670	666	663	667	671	676	685	683	690	699	686	0	9	53	711	16	48	659	52
28				719	726	742	732	701	691	698	698	655	682	680	691	690	679	672	670	669	670	673	680	687	691	711	691	692	0	2	41	759	8	49	639	120
29	✓			689	689	690	690	691	691	680	691	707	715	711	701	682	667	661	661	668	675	680	682	688	691	691	691	687	0	9	17	720	14	32	660	60
30				690	689	688	687	688	689	689	696	713	729	730	711	683	669	661	658	660	670	676	680	684	691	700	711	689	0	9	45	733	15	28	651	82
31																																		
MEANS ALL DAYS				700	695	694	693	690	690	694	701	713	723	718	706	687	671	661	660	662	671	681	685	691	696	703	703	691								101
MEANS TEN DAYS ✲				693	692	692	692	691	691	694	704	718	728	725	712	692	676	668	666	671	679	684	686	690	692	692	692	692								70
MEANS FIVE DAYS † (G. M. T.)				691	691	690	689	690	690	692	703 697	717 713	729	728	717	698	682	673	669	673	681	685	687	689	692	691	692	693								
MEANS FIVE DAYS ‡ (G. M. T.)				714	703	701	701	690	694	695	705	706	714	706	700	686	667	650	650	649	666	692	700	702	705	730	735	694								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 250.

DECLINATION

MAY 1942

2 WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120th MERIDIAN MEAN TIME)

MAY 1942

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				713	701	692	703	690	690	689	698	713	722	706	697	676	655	659	655	663	677	686	691	692	693	700	711	690	0	0	12	731	14 58	647	84
2				698	688	683	681	681	681	682	695	713	729	730	713	691	671	662	662	668	670	686	680	689	701	722	734	692	0	23	02	756	14 05	660	96
3				715	703	691	684	670	677	681	682	702	701	701	692	680	679	672	665	669	675	680	693	693	693	691	691	687	0	0	10	723	15 55	660	63
4			✓	691	688	683	686	681	680	679	686	702	715	720	698	680	672	668	662	670	680	682	687	689	691	693	709	687	0	10	09	722	15 12	660	62
5			✓	722	701	662	680	639	671	660	670	672	649	680	690	670	659	660	658	660	679	683	691	701	701	699	691	677	0	0	25	730	4 14	609	121
6				690	689	684	683	689	687	680	687	691	703	709	703	699	680	667	657	655	667	675	686	694	699	693	691	686	0	10	23	711	15 31	651	60
7	✓			691	691	691	689	690	691	691	693	711	722	723	707	684	670	659	657	670	673	680	694	690	691	691	691	689	0	10	08	729	15 10	650	79
8	✓			689	686	683	688	680	683	691	692	703	721	713	705	691	678	668	660	661	670	678	681	689	691	692	692	687	0	9	45	722	15 42	658	64
9	✓	✓		693	687	683	689	689	690	691	699	711	722	723	711	692	679	670	660	667	680	681	683	690	691	691	691	690	0	9	58	724	15 44	659	65
10				690	688	684	682	681	683	683	691	703	716	711	700	680	661	658	659	661	674	680	682	690	692	698	691	685	0	9	44	722	14 38	656	66
11				684	681	681	680	680	682	683	700	703	721	722	705	691	678	667	651	660	673	681	683	691	692	692	692	686	0	10	07	725	15 33	648	77
12	✓	✓		691	691	689	689	690	690	689	691	706	719	711	699	680	671	662	661	669	678	680	682	690	691	691	692	688	0	9	50	722	15 29	660	62
13	✓	✓		692	694	691	690	691	691	694	701	711	722	719	703	691	676	663	660	665	680	682	684	687	688	690	690	690	0	9	59	723	15 21	658	65
14			✓	689	684	683	683	682	681	680	690	701	719	711	692	678	658	630	629	652	647	678	691	695	694	701	698	681	1	9	41	723	15 09	618	105
15				683	681	681	680	680	683	688	692	704	711	706	691	670	665	660	663	670	682	691	691	692	691	691	690	685	0	9	32	712	13 03	649	63
16				688	682	681	683	669	691	691	697	711	711	703	691	680	670	661	663	671	680	683	683	689	689	691	689	685	0	9	15	713	4 12	660	53
17	✓			689	687	688	663	689	684	690	692	711	714	712	701	691	679	670	668	671	680	683	690	690	691	690	691	688	0	9	32	718	3 27	648	70
18				691	685	683	689	691	691	690	690	701	706	705	693	680	672	668	663	667	678	682	683	688	689	691	691	686	0	9	35	711	14 36	660	51
19	✓			690	688	684	683	680	679	679	681	693	703	710	707	691	680	669	658	663	677	681	681	687	690	691	689	685	0	11	14	712	15 39	649	63
20				688	683	680	680	680	684	683	682	693	705	709	701	693	689	678	670	668	679	682	682	689	691	692	699	687	0	10	00	711	16 11	661	50
21				691	693	681	703	690	686	681	680	691	702	701	700	691	680	665	659	670	682	683	688	691	691	691	703	687	0	9	57	711	15 32	651	60
22				693	690	687	680	683	689	682	688	702	718	721	712	701	682	654	641	660	678	686	691	692	694	696	696	688	0	10	18	722	15 40	636	86
23				699	705	709	722	695	694	693	702	719	717	717	712	692	682	670	669	670	681	687	687	691	693	698	693	696	0	3	08	732	15 38	661	71
24				692	691	690	688	692	681	687	690	701	712	722	711	690	681	670	669	673	687	690	691	692	693	696	703	691	0	10	23	726	15 28	663	63
25	✓			693	690	692	688	686	693	692	694	683	703	709	701	689	677	661	659	669	676	680	686	691	691	692	690	687	0	10	10	710	15 30	654	56
26	✓	✓		687	683	686	686	688	689	690	691	701	710	711	701	688	673	663	660	669	681	681	682	683	691	692	691	687	0	10	02	712	15 31	659	53
27			✓	691	689	682	680	681	681	681	681	692	702	706	701	690	680	678	670	671	679	677	683	693	704	733	711	689	1	22	16	766	15 33	669	97
28			✓	731	701	681	659	662	680	669	671	681	692	702	703	693	679	660	660	678	681	686	691	701	713	694	698	686	0	0	33	742	15 09	641	101
29				700	690	682	681	673	680	678	670	680	691	701	702	698	692	683	680	679	684	687	687	690	691	691	691	687	0	10	58	709	7 10	669	40
30				689	685	682	683	688	683	680	681	689	693	690	691	691	689	684	678	677	679	680	689	691	691	691	691	686	0	9	33	700	16 39	670	30
31	✓	✓		689	683	682	680	671	681	682	681	681	691	701	701	697	689	680	670	670	679	682	688	690	690	692	695	685	0	11	13	703	4 11	667	36
MEANS ALL DAYS				695	690	685	685	682	685	684	688	699	708	710	701	687	676	666	661	667	677	682	686	691	693	695	696	687							68
MEANS TEN DAYS ✻				690	688	687	684	685	687	689	692	701	713	713	704	689	677	666	661	667	677	681	685	689	690	691	691	688							61
MEANS FIVE DAYS † (G. M. T.)				691	689	684	683	683	683	684	693 688	702 698	713	713	703	690	678	668	662	668	680	681	684	688	690	691	692	687							
MEANS FIVE DAYS ‡ (G. M. T.)				705	692	678	677	669	680	675	678	690	695	704	697	682	670	659	656	666	673	681	689	696	701	704	701	684							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⧖ = NO RECORD

TABLE 251

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1942 — JUNE 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			691	688	682	681	680	679	680	679	681	692	701	700	691	680	670	665	672	681	681	683	689	690	689	684	684	0	11 02	702	15 27	663	39
2	✓	✓		682	681	680	680	677	679	680	680	682	694	699	691	680	677	672	670	672	682	689	691	691	691	691	691	683	0	10 02	700	15 34	668	32
3				689	682	681	681	681	681	680	679	682	693	701	701	692	682	673	670	670	673	670	681	691	692	692	706	684	0	23 31	713	18 17	662	51
4	✓			689	689	692	687	680	680	670	679	679	680	691	693	691	686	679	670	671	679	681	684	688	689	689	689	684	0	0 00	711	6 10	668	43
5				683	682	680	679	683	686	688	680	679	682	683	680	680	679	671	668	668	677	680	689	691	691	698	701	682	0	23 51	711	15 50	661	50
6				688	683	681	681	683	683	682	680	680	692	698	699	689	676	667	667	670	670	681	682	691	692	691	691	683	0	0 00	704	14 56	660	44
7	✓	✓		690	681	680	680	680	681	681	682	687	700	708	701	689	679	670	662	669	673	680	686	690	692	692	690	684	0	10 10	711	15 03	661	50
8	✓			686	681	679	680	679	680	679	679	686	698	703	703	699	691	673	665	670	678	681	683	688	690	691	689	685	0	10 58	706	15 25	662	44
9	✓	✓		688	684	683	681	681	681	680	680	688	699	706	709	701	691	681	671	670	679	680	687	691	691	691	690	687	0	11 25	710	15 56	669	41
10	✓	✓		688	681	680	680	680	679	679	678	682	695	708	710	701	687	670	668	671	680	682	687	690	691	690	689	685	0	10 50	711	15 11	663	48
11			✓	689	683	681	680	679	678	679	674	678	688	701	702	694	680	670	659	665	674	680	684	694	700	708	709	685	1	22 50	750	15 25	654	96
12				712	712	702	662	670	680	672	660	661	725	691	699	694	688	679	660	663	671	691	691	693	696	701	707	687	1	1 23	730	3 52	639	91
13			✓	713	711	694	686	672	677	679	678	687	691	692	702	693	679	673	669	673	691	694	690	691	691	692	692	688	1	0 55	733	14 00	665	68
14				695	691	701	683	659	682	672	662	663	679	675	683	693	682	684	667	671	687	691	683	691	710	691	693	683	1	21 07	742	4 34	635	107
15	✓			680	686	680	664	680	679	678	678	680	690	691	690	691	683	677	668	671	686	693	694	691	691	691	690	683	0	19 03	701	3 20	647	54
16				688	683	680	680	678	679	678	677	680	690	700	705	703	697	677	669	670	679	681	690	690	690	696	690	685	0	11 50	708	15 30	666	42
17				682	685	688	679	689	682	681	678	679	688	696	691	690	689	679	660	664	659	679	687	689	689	690	691	683	0	20 53	700	17 56	650	50
18				697	695	689	688	688	683	680	680	688	679	683	682	690	683	679	676	670	677	680	687	689	690	690	690	685	0	0 56	699	17 06	667	32
19			✓	690	687	682	682	680	680	680	679	689	690	694	693	690	685	679	680	676	680	685	686	700	696	714	700	687	1	20 49	752	16 02	670	82
20				690	700	710	704	696	673	679	684	688	691	691	690	679	674	670	658	651	669	672	679	690	695	697	701	685	0	1 32	724	16 44	649	75
21	✓			692	690	691	690	682	680	681	684	689	691	691	690	687	673	666	662	669	679	685	690	690	690	692	690	684	0	0 30	698	15 02	661	37
22	✓	✓		690	688	686	683	680	680	679	679	689	697	701	699	690	679	669	669	669	678	679	689	691	692	692	693	685	0	10 50	702	16 03	665	37
23				690	685	683	680	679	680	679	679	690	701	708	699	686	671	664	661	667	682	689	691	697	698	694	690	685	0	10 04	708	15 12	660	48
24				695	699	701	688	680	679	680	682	686	679	676	679	687	679	670	671	669	681	689	690	690	691	699	700	685	0	23 06	712	16 02	659	53
25				690	682	679	679	678	678	677	666	662	667	674	679	677	677	667	660	668	678	685	688	690	690	689	690	678	0	0 07	697	8 51	658	39
26				680	679	678	670	669	672	678	678	689	699	700	699	688	679	668	660	669	674	679	681	688	689	697	690	681	0	11 22	701	15 44	659	42
27				683	676	679	672	669	669	672	673	680	691	700	701	697	681	668	659	669	674	680	682	687	687	690	688	680	0	11 24	702	15 33	656	46
28				685	679	678	678	676	678	679	678	688	695	698	692	690	678	659	655	648	660	673	679	685	690	700	721	681	0	23 50	723	16 47	645	78
29			✓	729	699	689	670	669	669	659	667	672	672	692	689	688	670	669	668	671	679	682	689	694	691	690	688	681	1	0 37	745	6 00	651	94
30			✓	681	669	700	689	677	671	671	671	679	688	692	682	682	662	657	664	678	682	681	690	693	690	700	693	681	0	2 30	711	1 44	649	62
31																																		
MEANS ALL DAYS				691	687	686	681	678	679	678	677	681	691	695	694	690	681	672	666	668	677	682	686	691	692	694	694	684						56
MEANS TEN DAYS ✲				688	685	683	681	680	680	679	680	684	694	700	699	692	683	673	667	670	680	683	687	690	691	691	690	684						42
MEANS FIVE DAYS † (G. M. T.)				688	682	681	680	680	680	679	680 678	686 684	697	704	702	692	683	672	668	670	678	682	688	691	691	691	691	685						
MEANS FIVE DAYS ‡ (G. M. T.)				695	692	697	681	676	677	672	668	681	686	694	694	689	675	670	668	673	681	684	688	694	694	701	696	684						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 252

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1942 — JULY 1942

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				698	688	671	668	676	677	668	664	669	689	691	689	668	667	668	646	659	697	693	680	689	690	693	688	679	1	17	43 723	15	25 634	89
2	✓	✓		685	681	677	669	675	668	675	676	679	687	694	697	692	686	670	670	669	680	680	684	682	687	688	688	681	0	11	11 699	3	47 665	34
3	✓	✓		688	681	678	676	668	668	674	669	675	685	691	696	689	675	662	659	667	678	679	679	681	682	682	682	678	0	10	53 698	14	35 655	43
4	✓	✓		680	679	677	677	677	678	678	675	679	693	706	707	697	681	670	668	669	678	682	682	685	686	682	680	682	0	11	06 709	15	59 665	44
5	✓	✓		678	677	677	675	675	677	677	676	681	699	708	699	689	669	656	657	663	669	678	678	681	688	689	686	679	0	10	30 709	14	39 648	61
6	✓			686	680	678	678	673	677	678	678	681	692	699	689	678	670	669	668	667	675	678	686	688	688	681	678	680	0	10	08 700	16	10 660	40
7	✓			681	686	678	670	675	678	678	670	678	690	696	689	678	674	668	670	669	677	681	682	687	689	687	686	680	0	10	07 697	7	10 664	33
8			✓	679	678	675	668	677	671	675	675	690	668	680	681	664	666	661	647	647	689	718	689	699	715	730	689	680	1	22	19 748	16	21 638	110
9				681	678	697	671	665	669	666	667	671	676	689	689	681	678	668	668	668	675	678	679	686	687	690	688	678	1	3	03 718	4	37 648	70
10				681	677	687	678	678	677	668	668	678	698	699	694	681	678	671	666	669	677	680	686	689	690	689	686	681	0	10	10 702	6	55 649	53
11			✓	687	678	671	672	670	671	671	669	673	678	690	688	668	646	658	615	634	644	679	680	703	739	722	732	677	1	21	37 762	15	25 588	174
12				721	689	688	675	653	661	678	680	689	698	698	691	679	678	678	665	664	669	689	698	689	689	689	688	683	1	0	05 737	4	43 632	105
13				681	678	673	666	667	669	669	668	671	689	702	699	685	677	668	658	659	668	675	678	679	686	689	689	677	0	10	28 708	15	16 649	59
14				691	689	687	679	681	679	678	678	679	680	686	686	678	673	668	660	665	668	670	670	681	687	690	690	679	0	23	09 701	15	40 653	48
15			✓	696	687	681	686	670	678	689	671	678	690	696	688	679	669	669	657	658	686	669	675	681	694	709	696	681	1	22	10 743	16	07 643	100
16				697	667	677	680	666	670	677	667	657	657	676	684	685	676	679	664	658	670	667	686	688	691	688	687	676	0	21	33 709	4	58 629	80
17				688	688	688	688	687	676	658	666	678	691	703	705	694	680	676	660	666	668	676	698	677	680	688	688	682	0	19	07 710	7	02 645	65
18	✓			688	691	683	683	685	685	677	672	677	678	689	692	688	678	670	667	666	667	672	686	682	686	688	687	681	0	19	25 706	16	34 660	46
19	✓	✓		686	678	677	677	677	678	677	676	686	691	698	696	686	674	667	668	674	677	678	677	677	685	694	690	681	0	22	30 700	14	37 666	34
20			✓	688	680	677	677	676	677	675	670	670	678	684	688	685	675	668	645	655	670	665	694	688	697	700	699	678	1	22	46 717	15	40 635	82
21				687	679	672	668	658	666	670	669	678	667	677	680	665	651	657	667	678	677	681	688	687	689	697	689	675	0	22	07 700	13	44 638	62
22	✓			685	678	677	667	667	671	672	674	685	691	698	685	669	660	658	660	670	675	677	684	694	687	683	680	677	0	20	47 728	13	48 649	79
23	✓			677	673	674	674	674	672	674	671	677	688	698	688	671	658	646	655	664	674	676	677	679	686	686	689	675	0	10	40 700	14	50 639	61
24				680	674	648	669	674	677	677	679	689	696	699	697	669	666	663	663	665	674	677	678	684	685	686	689	677	0	23	17 708	2	24 639	69
25				680	675	667	647	675	665	667	658	667	679	688	688	662	648	647	635	644	658	658	718	695	737	707	690	673	1	21	26 794	16	08 623	171
26				678	675	678	645	678	676	675	668	683	700	699	688	672	667	667	666	665	675	677	680	686	695	688	682	678	0	9	54 708	3	19 635	73
27			✓	678	671	668	667	667	649	636	646	650	678	700	696	684	670	657	667	667	667	678	682	707	688	687	688	673	1	20	20 738	6	25 613	125
28				699	667	647	680	648	643	649	635	656	678	688	689	689	695	684	667	667	677	695	688	690	679	679	679	674	0	0	21 710	2	08 615	95
29				685	679	671	667	653	667	664	667	676	687	691	694	689	680	680	676	668	674	677	680	687	687	687	691	678	0	23	11 703	4	28 642	61
30				678	675	676	674	670	675	672	674	667	688	700	695	677	667	657	646	655	674	686	682	687	702	683	678	677	0	21	20 719	15	45 643	76
31				677	679	668	671	674	676	669	664	688	705	708	686	666	649	656	657	664	677	678	681	689	688	692	685	677	0	10	08 710	13	28 646	64
MEANS ALL DAYS				686	679	676	672	671	672	671	669	676	686	694	691	679	670	666	659	663	674	679	684	687	692	692	688	678						74
MEANS TEN DAYS ✻				683	680	678	675	675	675	676	674	680	689	698	694	684	672	664	664	668	675	678	682	684	686	686	685	679						48
MEANS FIVE DAYS † (G. M. T.)				684	679	677	677	674	675	676	674 674	680 677	691	699	699	691	677	665	664	668	676	679	680	681	686	687	685	680						
MEANS FIVE DAYS ‡ (G. M. T.)				697	676	676	675	658	662	668	664	672	678	690	688	676	665	663	646	652	671	682	684	696	707	710	701	677						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 253

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1942

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			680	680	680	676	677	675	676	676	687	699	711	705	688	668	654	649	658	669	677	678	679	679	679	677	678	0	10	24	716	14 53	646	70
2	✓			676	676	675	675	667	667	668	668	677	697	708	708	696	679	667	657	658	669	676	677	678	679	680	684	678	0	11	07	712	15 49	653	59
3				677	672	673	669	667	676	670	674	674	684	692	693	681	676	665	657	658	668	674	677	678	680	688	687	675	0	11	04	698	15 52	655	43
4	✓	✓		670	675	673	661	667	667	668	667	677	686	697	698	687	669	657	653	657	668	677	677	679	680	678	678	674	0	11	47	701	15 40	649	52
5	✓			676	675	670	665	667	669	668	666	670	685	694	698	694	681	672	657	657	668	675	676	678	678	680	680	675	0	11	39	699	16 10	654	45
6				677	675	670	667	670	666	660	665	677	690	700	701	693	680	671	667	658	666	675	677	678	684	688	700	677	0	23	16	708	5 52	655	53
7				700	674	669	661	664	666	666	652	648	667	679	687	678	667	648	666	657	659	674	677	687	688	688	689	671	1	0	18	724	8 20	639	85
8	✓	✓		678	672	670	674	668	646	670	676	688	696	697	695	688	677	672	667	667	670	676	677	677	677	677	678	676	0	9	28	698	5 30	636	62
9				676	676	672	671	674	671	668	668	676	684	690	688	684	674	659	654	654	659	666	674	688	680	685	688	674	0	20	42	696	15 40	649	47
10			✓	688	677	680	680	680	677	675	677	687	695	698	688	680	671	662	657	659	658	664	667	665	680	685	701	677	1	23	47	726	15 42	654	72
11				717	697	684	706	687	676	671	677	676	685	690	689	688	669	660	652	667	669	668	697	673	679	684	680	681	0	0	14	742	15 37	642	100
12				678	676	673	674	675	676	671	668	676	690	703	700	688	677	659	650	647	647	670	663	668	677	676	679	673	0	11	14	707	17 07	638	69
13	✓	✓		687	677	676	681	676	677	669	659	675	685	690	691	689	686	676	666	663	666	672	673	675	675	675	674	676	0	11	10	695	7 02	656	39
14	✓			672	672	670	669	670	672	669	664	674	688	700	699	687	674	659	653	653	654	658	673	668	674	675	675	672	0	10	36	708	16 02	648	60
15				673	673	674	674	674	670	667	666	671	684	689	695	691	678	666	659	658	664	666	667	669	677	675	676	673	0	11	43	696	15 42	657	39
16			✓	676	676	675	689	687	685	681	685	676	686	690	688	670	660	658	664	666	668	672	675	677	680	690	685	677	1	22	23	700	14 08	654	46
17				687	687	689	665	611	688	662	644	644	665	684	693	685	676	669	668	675	667	668	704	686	676	685	688	674	1	19	51	740	4 23	547	193
18			✓	673	687	680	674	655	645	657	660	673	689	697	696	688	669	657	646	647	699	686	676	697	687	700	678	676	1	22	25	767	4 46	634	133
19			✓	673	675	674	655	659	673	668	664	667	682	700	707	699	686	667	644	673	675	672	689	705	677	678	688	677	1	20	23	738	15 43	633	105
20				678	689	656	671	676	668	633	656	666	676	678	700	697	687	669	666	669	667	699	679	685	697	676	676	676	1	20	55	738	6 18	623	115
21				674	676	663	677	666	669	663	668	682	692	698	696	686	663	657	648	656	664	668	671	674	675	673	678	672	0	10	42	699	15 40	639	60
22				673	667	669	666	662	664	664	668	676	694	706	700	686	663	648	645	649	665	674	674	676	675	675	675	671	0	11	12	708	15 22	638	70
23			✓	675	673	670	667	667	659	643	651	668	679	694	703	699	686	669	658	657	668	666	673	680	710	699	693	675	1	21	35	728	6 09	633	95
24				700	693	654	659	684	667	603	657	674	679	699	697	687	675	665	661	665	670	675	675	676	679	686	679	673	1	0	53	724	2 58	579	145
25				665	688	659	657	650	656	666	676	684	709	716	698	687	659	665	657	661	675	673	676	686	685	686	682	676	1	10	37	720	5 54	634	86
26				673	668	666	665	653	635	653	665	685	697	704	713	702	684	665	656	657	666	668	668	673	676	687	678	673	0	11	32	717	5 34	624	93
27				684	674	676	667	657	653	652	654	668	697	700	695	687	666	645	653	660	671	675	687	677	686	686	676	673	1	19	40	727	14 49	635	92
28	✓	✓		675	665	667	671	669	669	671	676	686	695	698	696	687	676	666	659	666	667	667	671	675	676	677	676	675	0	10	48	701	15 55	657	44
29	✓	✓		675	675	674	672	667	666	665	676	687	702	707	699	687	677	668	661	656	658	666	669	668	672	676	676	675	0	10	31	708	16 50	653	55
30	✓			676	676	676	675	674	667	668	686	701	707	704	691	669	656	650	649	653	659	661	666	668	673	678	678	673	0	9	21	707	14 25	646	61
31				673	676	676	675	674	673	669	670	678	691	702	697	686	676	658	647	646	655	667	672	683	694	703	695	676	0	21	52	730	16 13	637	93
MEANS ALL DAYS				679	677	672	671	668	667	663	667	676	689	697	697	688	674	662	656	659	666	672	676	678	681	683	682	675							77
MEANS TEN DAYS ✲				676	674	673	672	670	668	669	671	682	694	701	698	687	674	664	657	659	665	670	674	674	676	678	678	675							55
MEANS FIVE DAYS † (G. M. T.)				675	675	672	670	670	669	668	671 672	683 682	693	698	696	688	677	668	661	662	666	672	673	675	676	677	676	675							
MEANS FIVE DAYS ‡ (G. M. T.)				691	688	671	671	663	674	647	660	674	686	696	696	687	674	663	654	660	674	672	676	685	687	690	689	676							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 254

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1942 — SEPTEMBER 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM (H M)			MINIMUM (H M)			RANGE
1				689	689	688	676	672	675	673	674	683	694	697	695	682	671	659	653	651	656	666	672	674	687	695	707	678	0	23	57	711	15	57	648	63
2				708	700	690	685	670	678	682	691	700	705	695	687	678	666	663	648	646	657	667	676	674	675	675	674	679	0	0	24	725	16	41	644	81
3	✓			672	668	673	675	669	667	657	665	688	699	700	688	676	666	656	654	657	665	684	666	669	673	676	676	672	0	9	26	706	6	53	647	59
4				673	669	667	667	668	669	671	677	691	699	702	704	694	673	656	647	647	657	666	663	665	673	669	671	672	0	11	13	705	15	26	644	61
5				670	674	672	676	678	675	675	676	692	704	706	700	673	656	645	643	642	642	643	656	666	671	672	688	671	0	10	00	707	18	38	638	69
6			✓	687	675	682	666	665	669	676	680	694	699	699	694	667	653	635	621	623	642	656	663	666	699	737	693	673	1	22	12	748	16	31	608	140
7				669	667	679	672	671	677	656	664	689	699	696	684	665	655	646	647	653	655	667	673	678	678	679	680	671	0	9	23	705	6	50	617	88
8				694	687	675	667	668	666	656	678	692	697	687	670	659	649	639	639	651	659	666	676	679	726	675	673	672	0	9	34	705	14	47	634	71
9	✓			677	671	667	667	664	666	668	680	699	707	700	679	664	653	653	650	654	658	666	690	676	676	673	674	672	0	9	50	709	16	13	647	62
10	✓			676	675	659	668	669	671	676	693	708	716	700	674	658	645	635	635	643	649	659	662	668	674	682	685	670	0	9	25	718	14	54	634	84
11			✓	682	680	680	676	674	675	680	695	710	717	709	694	671	654	645	656	656	657	658	660	663	667	678	670	675	1	9	18	722	14	02	644	78
12			✓	671	676	664	663	656	673	648	633	638	659	676	658	656	646	624	630	653	666	703	685	685	685	687	685	663	1	21	06	717	14	40	613	104
13				646	673	675	657	633	633	645	668	684	697	692	686	669	655	639	646	658	668	668	669	673	674	677	689	666	1	23	45	719	5	06	598	121
14				677	676	657	625	652	665	645	676	687	699	689	673	664	654	647	654	658	664	675	687	684	694	692	672	669	1	9	25	709	3	21	614	95
15				665	663	680	656	644	665	677	694	705	700	700	694	676	656	652	651	656	666	702	688	675	687	687	688	676	1	18	34	728	4	14	627	101
16				704	670	656	671	660	668	676	688	701	705	697	677	658	645	643	641	648	665	678	669	686	676	675	675	672	1	0	12	718	2	04	623	95
17			✓	676	669	673	675	666	644	650	654	676	696	699	694	679	656	654	652	654	676	669	712	685	676	697	689	674	1	18	46	800	6	58	635	165
18				699	648	637	667	673	664	647	687	699	707	697	684	669	656	645	646	653	666	679	673	673	675	697	683	672	1	0	30	718	2	31	614	104
19				687	668	623	666	673	667	668	693	701	707	697	674	665	654	635	635	646	667	694	672	677	716	699	679	673	1	21	32	733	2	18	603	130
20				684	656	663	666	666	656	665	679	685	685	683	677	673	666	659	655	658	656	668	695	718	679	683	677	673	1	19	55	751	1	10	643	108
21			✓	685	675	665	649	648	658	658	656	668	677	687	678	666	649	648	645	655	687	669	697	702	689	678	678	669	1	20	26	778	3	52	636	142
22				687	676	656	656	665	670	676	689	707	717	715	697	684	668	654	650	657	663	685	697	688	685	676	671	679	1	9	49	730	2	30	637	93
23	✓			673	666	665	674	667	657	658	666	694	708	714	707	685	662	651	651	657	667	667	667	667	669	674	672	672	0	10	36	719	14	47	647	72
24	✓			669	669	666	666	666	666	674	679	687	697	704	688	668	658	647	648	655	663	665	666	667	668	669	668	670	0	10	20	710	15	33	647	63
25	✓	✓		669	669	667	666	665	673	673	687	709	717	707	685	664	647	639	644	650	659	668	668	677	669	669	670	671	0	9	21	723	14	57	636	87
26	✓	✓		669	667	667	667	668	670	676	688	707	712	707	691	667	650	643	643	646	654	658	659	667	675	681	680	671	0	9	04	719	14	17	638	81
27				689	686	675	676	674	675	679	694	711	718	711	692	673	655	645	645	647	656	660	669	680	687	690	681	678	0	9	28	724	14	42	637	87
28	✓	✓		669	667	667	668	666	667	670	688	718	727	726	706	675	654	637	644	651	656	661	665	673	670	668	667	673	0	9	49	737	14	30	638	99
29	✓	✓		667	665	666	666	664	665	669	686	706	712	707	684	658	644	633	635	644	655	660	663	666	669	670	667	668	0	9	30	719	15	00	627	92
30	✓	✓		667	665	660	666	667	672	679	689	707	710	709	693	667	646	636	638	646	660	659	663	665	667	666	667	669	0	9	52	720	14	50	635	85
31																																				
MEANS ALL DAYS				678	672	667	666	665	667	667	679	695	703	700	687	670	655	645	645	650	660	670	674	676	680	682	678	672								93
MEANS TEN DAYS ✲				671	668	666	668	666	667	670	682	702	710	707	690	668	652	643	644	650	659	665	667	670	671	673	673	671								78
MEANS FIVE DAYS † (G. M. T.)				672	670	667	668	668	670	677	688 690	709 708	716	711	692	666	648	638	641	647	657	661	664	670	670	671	670	671								
MEANS FIVE DAYS ‡ (G. M. T.)				674	668	662	663	660	663	654	668	677	690	694	684	668	652	641	641	648	666	671	683	680	683	695	683	670								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧖ = NO RECORD

TABLE 255

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1942 — OCTOBER 1942

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		667	668	669	667	668	669	682	694	711	719	717	693	659	637	628	632	645	656	659	664	660	664	666	675	670	0	9	45 727	14	50 624	103
2			✓	668	666	667	666	667	668	671	678	697	707	710	696	657	628	617	605	616	619	637	655	704	737	706	704	669	1	20	53 778	15	40 601	177
3			✓	706	689	707	691	636	661	678	696	700	697	700	683	650	635	614	627	636	641	664	676	667	695	688	675	671	1	2	07 727	14	38 599	128
4				699	676	657	668	668	670	677	685	696	704	704	692	668	659	648	654	652	646	658	667	696	685	686	696	675	1	20	29 734	14	59 636	98
5				675	666	677	668	670	677	676	667	695	707	705	693	666	653	638	626	644	648	657	658	661	686	676	685	670	1	9	16 715	15	50 616	99
6	✓			671	669	672	674	667	667	676	683	685	696	697	686	675	659	648	639	646	655	657	661	662	664	667	668	668	0	9	46 704	15	52 636	68
7				667	668	668	669	668	675	674	686	697	706	705	686	662	637	628	631	637	646	655	660	674	695	671	675	668	0	9	52 713	14	20 625	88
8				677	676	677	669	670	676	679	678	705	707	704	686	667	646	627	628	636	641	649	656	660	667	669	671	668	0	9	20 709	15	05 625	84
9	✓	✓		676	678	677	680	671	670	684	697	711	715	714	706	686	665	637	626	627	637	654	658	664	667	669	672	673	0	8	48 724	15	58 621	103
10	✓			669	666	667	667	667	668	675	688	707	715	721	714	672	634	610	607	621	639	649	650	655	657	659	664	664	0	10	40 727	15	30 603	124
11				666	667	667	665	658	656	666	687	708	720	719	696	661	639	627	628	639	652	656	657	666	668	667	670	667	0	9	31 728	14	45 626	102
12			✓	672	667	667	668	657	668	683	705	726	728	706	683	652	630	616	620	628	656	706	672	684	679	676	695	673	1	20	11 776	14	45 606	170
13				676	654	647	666	666	669	660	663	695	722	719	703	669	638	635	636	642	656	661	668	669	686	687	681	670	1	9	33 737	1	51 618	119
14				656	657	684	681	671	665	656	672	706	717	719	701	659	632	621	625	638	647	668	681	708	692	670	671	671	1	20	28 737	15	14 614	123
15				676	672	654	647	635	654	677	691	704	709	712	700	676	651	627	630	647	658	657	660	674	685	694	674	669	1	10	05 725	14	35 621	104
16				667	654	637	662	664	665	648	656	687	696	698	689	668	657	646	638	638	655	666	664	691	679	680	666	665	1	9	26 709	2	12 616	93
17				677	675	646	654	649	658	667	675	694	700	702	699	676	655	644	637	643	655	658	658	671	668	669	667	667	0	10	57 709	2	16 620	89
18				658	662	667	665	654	656	658	675	694	707	706	695	656	637	631	637	641	649	666	678	668	677	680	676	666	1	9	49 718	14	24 625	93
19				647	676	669	675	666	668	667	675	698	696	695	684	656	644	642	635	636	641	660	668	704	706	691	669	670	1	20	17 719	0	50 611	108
20				676	657	656	670	669	675	681	696	707	709	708	686	665	646	634	636	645	653	659	674	680	678	684	674	672	1	10	35 719	14	20 627	92
21	✓			707	679	668	667	669	675	686	699	715	710	704	688	669	659	657	656	655	656	658	658	659	673	668	671	675	0	8	45 721	15	54 647	74
22	✓	✓		674	675	673	673	675	678	683	688	698	701	695	677	656	647	637	638	647	655	657	659	672	667	666	666	669	0	9	16 706	15	00 635	71
23	✓	✓		665	666	664	664	667	675	680	688	697	699	690	678	652	627	621	624	629	639	652	658	666	667	664	665	662	0	9	20 701	15	05 616	85
24	✓	✓		663	666	667	667	671	676	682	687	707	712	710	694	666	639	629	629	645	648	649	651	650	656	656	662	666	0	9	04 718	14	42 627	91
25				665	668	669	668	667	669	676	691	709	728	727	691	649	615	591	586	602	629	640	649	657	661	666	668	660	0	10	01 738	15	10 576	162
26	✓			667	667	666	666	667	671	677	686	708	718	716	687	658	629	627	630	642	648	655	658	661	665	666	667	667	0	9	27 728	14	55 625	103
27	✓			669	667	667	666	656	658	675	696	707	708	697	688	662	639	628	617	627	643	658	659	658	660	667	667	664	0	9	07 716	15	50 610	106
28			✓	668	669	669	670	675	677	676	687	708	715	708	692	665	647	627	624	628	636	647	649	663	699	742	673	671	1	22	22 772	23	45 594	178
29			✓	738	759	765	739	721	687	698	710	704	706	691	668	647	621	617	615	626	653	711	727	679	670	668	677	687	2	2	25 787	15	23 585	202
30				717	685	675	642	680	675	666	676	693	712	717	696	662	650	639	636	649	661	663	668	685	688	702	697	676	1	1	02 731	15	50 625	106
31				676	698	680	659	662	657	659	668	683	698	699	687	668	637	627	629	640	653	677	681	674	667	657	686	668	1	9	50 717	14	05 615	102
MEANS ALL DAYS				676	673	671	669	666	669	674	685	702	709	707	691	663	642	630	628	637	647	660	665	672	678	677	675	669						111
MEANS TEN DAYS ✻				673	670	669	669	668	671	680	691	705	709	706	691	666	644	632	630	638	648	655	658	661	664	665	668	668						93
MEANS FIVE DAYS † (G. M. T.)				666	666	667	666	668	671	677	691 686	705 703	709	705	690	664	643	630	630	639	647	654	658	662	664	664	668	667						
MEANS FIVE DAYS ‡ (G. M. T.)				707	693	690	681	674	672	676	686	707	711	703	684	654	632	618	618	627	641	673	676	679	696	696	685	674						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 256

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1942 — NOVEMBER 1942

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				685	677	642	658	660	668	679	690	707	712	716	706	670	636	617	620	633	642	660	669	666	670	667	666	667	0	10	33 718	15	04 613	105
2				651	663	661	668	673	675	681	697	708	716	715	703	675	648	636	637	647	656	651	657	675	678	681	667	672	1	9	43 719	14	45 629	90
3				695	697	689	682	675	686	697	699	706	697	687	668	658	629	627	629	636	646	655	662	668	685	679	680	672	0	8	33 710	14	05 621	89
4				687	675	685	678	670	677	689	696	707	707	696	675	651	638	627	629	635	636	642	657	649	658	659	660	666	0	8	55 711	14	36 615	96
5	✓			667	667	668	661	668	676	688	697	706	700	696	681	661	641	628	629	636	647	652	656	656	659	662	661	665	0	8	27 708	15	20 621	87
6	✓			660	662	665	668	672	685	696	699	699	707	688	669	647	633	628	636	651	658	655	654	656	658	659	666	665	0	7	19 726	14	05 625	101
7	✓			667	667	665	666	667	669	676	691	698	701	689	665	646	627	618	625	637	648	659	665	677	679	675	677	665	1	8	56 708	14	55 614	94
8				668	666	666	667	671	678	697	709	716	717	700	669	645	618	615	617	622	635	653	659	670	677	670	668	666	1	7	52 727	14	32 603	124
9	✓	✓		667	669	670	668	638	665	679	697	695	698	697	676	653	638	635	639	651	657	658	658	666	667	667	668	666	1	8	51 716	4	27 616	100
10				666	666	668	668	667	669	671	688	696	707	709	698	675	656	637	628	635	639	643	648	657	688	700	685	669	1	10	14 714	15	11 625	89
11				672	669	671	675	676	668	679	707	708	697	688	668	650	637	627	627	631	644	651	660	698	668	666	667	667	1	20	26 727	14	45 616	111
12				669	667	648	638	658	661	667	679	700	709	711	698	674	648	635	629	635	647	651	656	659	661	661	669	664	0	10	06 723	3	10 616	107
13				670	669	660	660	665	674	680	687	697	711	706	682	665	638	618	611	625	636	648	657	655	668	701	683	665	0	22	34 719	15	20 604	115
14				663	658	654	658	651	665	678	691	707	709	710	690	668	641	620	621	631	648	654	660	670	669	674	669	665	1	10	16 721	14	50 615	106
15				668	655	639	659	658	663	679	700	709	711	700	679	660	641	631	628	633	644	651	656	658	660	673	670	664	0	9	31 723	15	10 625	98
16	✓	✓		671	669	669	659	669	679	690	689	689	689	683	669	658	648	643	646	647	650	658	659	660	660	661	661	666	0	7	07 701	15	00 640	61
17	✓	✓		660	661	666	667	668	676	689	703	706	707	696	679	660	646	636	630	638	641	649	661	678	669	674	690	669	0	7	34 710	14	40 626	84
18				679	676	671	671	676	686	697	698	690	681	669	658	648	640	638	636	637	638	641	649	658	659	669	681	664	0	7	10 708	15	28 628	80
19	✓	✓		670	670	673	669	670	689	706	720	720	719	701	679	648	629	618	618	623	633	646	661	651	656	661	666	666	0	7	37 729	15	15 612	117
20				669	667	669	668	666	680	700	716	719	703	686	669	648	628	619	617	626	627	650	670	668	670	673	676	666	1	8	12 729	15	50 613	116
21	✓			672	678	660	673	677	680	680	687	699	700	692	678	662	647	628	637	641	647	654	670	662	663	668	670	668	0	8	51 710	14	50 625	85
22	✓	✓		664	666	668	663	655	662	683	707	717	718	703	684	663	640	631	631	640	651	658	659	659	665	668	669	668	0	9	49 722	14	35 627	95
23			✓	664	658	659	662	667	670	688	704	718	715	702	687	655	632	618	619	621	631	640	651	669	683	687	689	666	1	8	37 723	15	57 613	110
24			✓	700	681	677	673	681	678	690	668	685	661	653	640	608	603	602	600	620	630	642	658	689	678	668	659	656	1	8	55 720	15	07 588	132
25			✓	660	661	669	680	661	679	698	706	710	711	697	664	638	632	626	623	637	645	678	670	662	677	682	672	668	1	9	12 721	[14	20 606	115]
26			✓	677	673	662	659	677	667	680	709	717	710	691	655	639	640	636	639	647	659	660	660	674	672	675	681	669	1	8	13 725	14	38 627	98
27				682	674	668	663	659	683	691	694	713	712	698	673	652	628	619	620	629	655	652	653	657	659	661	664	665	1	9	16 725	15	25 607	118
28			✓	662	663	662	653	662	669	680	699	719	717	703	675	647	613	602	609	630	641	673	670	671	685	678	690	666	1	9	07 729	14	24 597	132
29				669	685	700	678	681	697	701	723	731	720	708	679	653	649	640	640	638	654	664	661	668	663	666	664	676	1	8	12 742	15	03 629	113
30	✓			670	671	677	674	679	690	701	709	717	713	703	685	661	640	627	619	628	638	652	655	656	661	668	667	669	0	8	14 720	15	23 610	110
31																																		
MEANS ALL DAYS				671	669	667	666	667	675	687	699	707	706	696	677	655	636	626	626	635	644	653	659	665	669	672	672	667						103
MEANS TEN DAYS *				667	668	668	667	666	677	689	700	705	705	695	676	656	639	629	631	639	647	654	660	662	664	666	670	667						93
MEANS FIVE DAYS † (G. M. T.)				668	666	667	667	669	676	689	703 702	705 706	706	696	677	656	640	633	633	640	646	654	660	663	663	666	671	667						
MEANS FIVE DAYS ‡ (G. M. T.)				678	675	675	671	672	681	692	700	710	703	689	664	637	624	617	618	631	641	659	662	673	679	678	678	667						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE, MAGNETIC STORM
= INTERPOLATED
= ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 257

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1942

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				669	673	676	672	679	690	704	719	709	706	688	662	639	638	630	630	644	649	653	655	656	658	658	659	667	0	8 05	721	14 56	627	94
2	✓			663	664	664	664	673	681	689	693	689	688	673	653	639	640	639	638	648	650	652	654	658	659	661	663	662	0	6 54	701	15 07	637	64
3				660	661	661	664	669	680	692	710	708	700	684	665	649	648	638	641	649	654	658	658	658	659	660	661	666	0	8 07	720	14 05	637	83
4				669	668	666	664	669	677	689	700	699	693	678	667	651	640	641	641	650	649	649	650	651	655	683	680	666	1	7 34	724	13 30	638	86
5	✓			667	665	660	667	679	690	709	713	716	718	705	679	659	648	633	632	641	650	651	650	651	653	657	663	669	0	8 50	722	15 30	630	92
6	✓			660	661	662	667	670	679	692	708	710	707	693	669	654	650	648	649	650	650	650	651	652	654	660	659	667	0	8 30	718	14 45	642	76
7				660	663	668	670	687	692	715	727	727	719	697	656	629	619	618	620	630	637	642	643	659	667	659	668	666	1	8 20	730	13 40	617	113
8				692	680	683	684	689	688	720	730	742	734	703	667	640	630	629	630	637	648	651	651	651	660	670	674	674	1	8 51	751	14 45	625	126
9			✓	681	687	687	689	678	702	737	760	754	733	709	672	650	639	630	638	647	648	650	644	641	660	699	689	680	1	8 10	774	14 15	626	148
10			✓	667	640	668	649	663	687	693	710	698	708	697	672	649	648	637	641	641	651	657	658	660	668	669	668	667	1	7 50	720	1 33	607	113
11				664	667	665	669	661	664	700	725	737	730	711	683	649	632	630	642	651	658	668	673	688	698	675	662	675	0	8 39	743	14 10	627	116
12				662	661	661	660	673	683	697	699	710	703	693	667	645	630	620	612	619	641	655	672	682	673	667	662	664	1	8 31	721	15 25	607	114
13	✓			665	663	665	670	675	682	699	711	709	709	700	689	672	659	642	639	642	649	655	659	659	659	667	676	671	0	7 33	720	15 30	636	84
14				679	666	659	669	672	677	686	691	700	694	680	667	648	632	622	627	637	641	649	659	657	659	666	669	663	0	8 48	707	14 35	618	89
15				670	677	678	679	680	690	699	704	702	697	680	668	654	639	622	630	629	640	650	652	659	655	657	660	665	0	7 59	710	15 30	617	93
16				663	669	664	664	673	686	693	698	699	700	687	672	662	653	642	638	640	649	660	671	662	660	661	661	668	0	7 03	711	15 28	637	74
17	✓	✓		652	661	670	666	672	678	690	701	693	680	663	652	649	645	641	641	641	640	640	643	650	656	661	662	660	0	8 00	701	15 30	636	65
18	✓	✓		668	671	671	672	677	688	700	710	696	689	674	659	652	650	648	648	650	651	653	653	652	653	659	660	667	0	7 39	729	14 40	641	88
19	✓	✓		660	663	669	671	678	686	702	710	701	699	686	668	645	638	629	630	633	640	649	651	652	652	658	659	664	0	7 18	711	14 53	622	89
20				663	668	671	673	681	693	711	720	720	711	690	663	643	632	629	630	640	651	659	657	652	653	660	661	668	0	7 55	722	14 35	624	98
21			✓	661	649	655	670	680	696	718	723	729	728	688	642	615	600	604	608	620	634	640	646	719	710	682	695	667	1	20 20	762	13 23	591	171
22				714	690	676	675	680	699	711	719	700	682	659	620	624	619	621	620	631	642	653	686	661	666	670	669	666	1	7 39	743	11 45	608	135
23			✓	669	670	672	661	671	689	702	711	709	702	696	681	664	651	639	643	648	658	668	681	700	701	685	659	676	1	20 26	739	23 00	600	139
24				678	684	681	680	669	680	701	720	710	705	681	658	640	630	621	619	622	641	643	651	652	660	689	681	666	1	7 33	731	15 39	615	116
25				678	664	669	672	674	681	685	703	719	720	698	679	654	645	641	640	642	658	663	661	660	664	671	673	671	0	8 40	731	14 47	633	98
26			✓	681	685	680	679	678	683	692	711	710	708	701	671	642	650	632	630	632	631	651	653	671	674	688	674	671	1	7 40	720	17 52	623	97
27				673	671	665	671	673	669	663	671	685	691	680	659	642	633	632	623	624	635	645	652	657	663	672	669	659	0	9 13	699	15 03	619	80
28				663	672	673	673	674	680	681	688	694	701	702	691	658	639	633	630	633	641	645	650	654	659	663	662	665	0	8 31	708	15 43	621	87
29	✓			666	670	671	671	673	679	680	680	678	679	677	659	649	648	643	642	644	645	650	650	651	653	659	661	662	0	7 11	683	14 55	637	46
30	✓	✓		671	679	673	674	673	680	681	685	694	702	683	659	639	632	631	632	640	649	652	659	657	659	659	660	663	0	9 19	711	14 40	628	83
31	✓	✓		661	665	667	669	671	675	687	691	699	697	691	678	655	641	632	631	637	645	653	657	652	651	656	661	663	0	9 00	701	14 50	629	72
MEANS ALL DAYS				669	669	669	670	675	684	697	708	708	704	689	666	647	639	632	633	638	646	652	656	661	664	668	667	667						98
MEANS TEN DAYS ✲				663	666	667	669	674	682	693	700	698	697	684	666	651	645	639	638	643	647	650	653	653	655	660	662	665						76
MEANS FIVE DAYS † (G. M. T.)				662	667	669	671	676	683	696	699 705	697 704	693	679	663	648	641	636	636	640	645	649	653	653	654	659	660	664						
MEANS FIVE DAYS ‡ (G. M. T.)				679	670	671	669	669	680	694	709	720	716	698	668	644	638	628	632	638	644	653	656	678	683	685	677	671						

DECEMBER 1942

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 258

HORIZONTAL INTENSITY

23974 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1942 — JANUARY 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		735	727	727	727	723	724	726	724	726	729	732	738	747	747	744	741	743	745	742	735	735	737	738	737	735	0	12	30	753	00	722	31
2				741	749	749	750	748	751	753	746	740	740	741	739	738	752	751	738	740	733	744	747	741	733	734	720	742	1	13	51	759	23 36	712	47
3			✓	711	709	717	734	726	732	737	739	737	750	742	718	713	695	693	689	690	681	688	692	713	716	724	732	716	1	9	19	760	17 47	678	82
4			✓	724	728	728	727	728	721	722	721	723	721	718	716	713	697	691	706	708	711	715	720	726	724	751	735	720	1	4	44	732	14 35	685	47
5			✓	717	719	728	738	738	749	749	738	730	722	702	686	706	718	715	707	713	708	703	718	718	723	724	731	721	1	5	35	759	11 37	681	78
6				726	723	726	728	719	720	717	716	721	724	724	718	708	703	704	716	716	720	723	724	725	724	725	733	720	0	3	05	741	14 05	698	43
7				729	726	735	729	727	723	718	718	732	739	733	717	710	706	712	712	721	728	720	714	728	726	729	731	723	0	9	50	742	13 16	697	45
8	✓			728	725	725	726	728	727	728	727	735	740	737	731	727	724	724	728	731	733	732	733	733	734	731	730	730	0	9	55	741	14 01	721	20
9				728	729	731	732	734	736	741	756	761	764	758	745	730	736	736	733	735	731	730	731	733	733	731	734	738	0	9	34	767	12 41	726	41
10				735	733	733	737	747	748	749	747	755	755	751	755	755	755	745	741	738	736	736	734	737	733	741	736	743	0	9	00	759	21 41	728	31
11				750	744	735	734	735	736	736	737	737	736	739	742	754	757	742	742	735	737	739	739	727	731	735	742	739	0	13	31	758	20 44	724	34
12				740	736	731	731	733	736	739	736	734	736	739	761	772	769	757	747	732	730	731	729	735	736	737	733	740	0	13	03	775	16 47	726	49
13				734	741	741	738	743	738	738	731	723	720	720	722	723	730	731	725	723	731	737	735	731	734	730	734	731	0	1	21	747	9 48	718	29
14				736	736	741	742	746	741	743	745	749	750	750	761	773	778	774	759	750	746	745	750	750	747	748	746	750	0	13	20	781	0 00	733	48
15				748	750	754	754	756	750	749	751	744	742	743	744	745	746	749	749	754	740	739	732	727	722	716	721	743	0	16	17	761	21 46	713	48
16				733	736	735	736	736	739	736	729	726	726	728	731	738	752	746	737	737	729	722	709	712	711	718	721	730	0	13	41	755	20 25	699	56
17			✓	723	720	722	730	735	726	720	714	695	688	703	720	734	733	724	716	706	701	691	697	708	717	713	725	715	0	4	27	739	9 03	685	54
18			✓	720	725	728	733	735	736	741	744	733	712	691	712	714	717	717	716	720	725	733	732	727	726	729	731	725	0	7	05	747	10 22	682	65
19				736	737	740	742	738	730	732	724	711	701	694	695	676	687	712	729	728	716	714	723	722	722	722	727	719	0	3	36	747	12 43	664	83
20	✓			732	729	730	730	729	731	735	732	726	721	721	717	716	719	727	732	736	736	732	732	732	732	731	731	729	0	6	56	738	11 58	713	25
21	✓	✓		729	733	729	726	727	730	735	735	726	718	712	706	705	708	716	725	735	737	737	736	736	737	739	740	727	0	23	33	741	12 40	703	38
22				740	741	742	739	736	733	734	733	729	726	718	716	710	710	721	737	740	740	743	742	736	725	715	718	730	0	18	53	747	13 03	707	40
23				719	725	725	725	729	731	737	737	733	724	712	705	704	713	718	719	723	729	726	726	730	731	729	728	724	0	6	28	739	12 49	702	37
24	✓	✓		732	734	737	738	738	738	738	738	739	739	738	738	736	736	736	740	741	745	738	739	742	742	743	743	739	0	22	20	744	0 17	729	15
25				744	745	746	748	748	744	743	744	756	764	767	767	760	753	746	745	747	743	741	738	737	737	739	743	748	0	9	54	769	20 10	733	36
26	✓	✓		742	747	747	744	742	741	740	739	741	744	747	750	750	750	741	739	740	737	736	734	733	737	737	735	741	0	13	16	753	19 27	730	23
27	✓			735	737	737	736	734	734	734	732	735	748	742	738	734	730	730	732	730	730	735	739	740	741	742	743	736	0	9	40	747	17 03	724	23
28				740	739	739	739	740	741	740	740	741	742	738	735	740	738	727	726	728	730	724	719	723	730	723	733	734	0	9	56	745	19 30	716	29
29	✓			735	735	736	736	743	741	738	732	725	724	726	728	726	721	717	720	725	729	733	736	734	737	741	734	731	0	4	38	747	14 55	716	31
30	✓			742	741	737	737	735	738	746	751	749	745	736	729	726	729	733	736	742	740	737	737	737	737	738	740	738	0	7	33	750	12 41	725	25
31	✓	✓		744	748	749	748	751	757	752	749	744	738	735	731	730	729	732	740	746	746	746	747	750	752	753	755	745	0	5	06	760	13 25	727	33
MEANS ALL DAYS				733	734	735	736	736	736	737	736	734	733	730	729	729	730	729	730	731	730	729	730	731	731	732	734	732							41
MEANS TEN DAYS ✲				735	736	735	735	735	736	737	736	735	735	733	731	730	729	730	733	737	738	737	737	737	739	739	739	735							26
MEANS FIVE DAYS † (G. M. T.)				743	745	745	745	745	744	744	737 742	735 743	734	733	733	734	734	734	737	741	742	740	738	739	741	742	742	740							
MEANS FIVE DAYS ‡ (G. M. T.)				725	726	730	734	732	731	732	729	724	719	711	710	716	712	708	707	707	705	706	712	718	721	728	731	720							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 259

HORIZONTAL INTENSITY

23974 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1942 FEBRUARY 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			753	753	753	754	758	758	758	755	754	752	742	736	734	738	745	755	767	770	768	768	772	766	758	760	755	0	20	47 778	12	56 732	46
2				761	761	759	755	750	754	758	751	752	754	752	752	754	749	738	743	730	719	728	731	734	727	737	742	745	1	1	07 766	17	37 710	56
3	✓			738	728	724	727	729	731	731	725	724	727	726	725	723	722	725	731	734	734	736	735	733	735	732	730	729	0	0	09 746	13	01 719	27
4	✓			733	734	736	736	735	737	739	739	734	730	728	724	724	729	731	739	750	749	745	743	745	746	743	743	737	0	17	08 752	12	01 721	31
5			✓	741	740	741	744	747	751	762	762	760	753	742	726	704	689	691	701	709	744	712	702	692	698	712	723	727	1	7	08 768	13	59 681	87
6			✓	720	730	744	731	733	726	730	727	717	691	692	707	703	711	712	708	710	713	701	719	708	708	731	753	718	1	23	40 766	9	56 678	88
7				744	724	727	708	708	715	714	704	698	686	678	679	678	682	688	700	713	719	724	727	729	727	728	730	710	0	0	13 756	10	06 676	80
8	✓	✓		732	729	728	729	728	730	730	724	712	703	697	695	703	709	719	723	728	733	735	734	735	736	737	738	724	0	24	00 740	11	16 695	45
9	✓	✓		736	735	735	736	737	737	735	730	721	708	701	704	711	716	720	727	730	727	727	732	730	732	737	741	727	0	23	52 743	10	49 698	45
10				740	738	738	738	738	740	743	744	752	753	748	743	739	738	738	734	738	745	746	746	741	754	750	744	743	0	21	34 760	15	40 731	29
11				741	745	735	737	732	731	731	730	730	729	730	731	730	720	716	723	727	728	728	726	726	730	732	732	730	0	0	56 754	14	23 714	40
12	✓	✓		731	735	738	735	730	737	734	732	735	738	747	751	752	744	736	728	727	729	733	739	739	741	740	741	737	0	12	01 756	16	26 725	31
13	✓			743	742	743	743	746	746	745	738	728	723	724	735	746	752	753	743	746	748	749	748	749	745	746	748	743	0	14	30 756	9	59 721	35
14				748	750	751	751	750	748	748	745	737	725	729	731	736	739	741	742	739	742	742	742	739	743	743	744	742	0	1	55 754	9	43 723	31
15				739	739	742	747	747	751	743	731	721	721	723	731	732	729	719	726	723	729	733	733	711	724	733	737	732	0	5	32 755	20	42 705	50
16				738	740	761	745	737	738	740	733	724	719	720	725	731	730	730	733	725	725	726	730	735	735	740	736	733	0	2	33 773	9	06 716	57
17				735	739	742	742	741	739	742	743	740	728	708	710	712	718	728	731	728	723	722	730	734	735	736	734	731	0	2	39 747	10	36 705	42
18	✓	✓		734	734	736	737	737	739	742	742	734	723	717	715	710	705	716	726	734	738	738	738	739	740	740	738	731	0	7	33 743	13	16 701	42
19	✓	✓		738	738	739	739	741	742	744	743	740	735	732	731	731	727	727	737	745	748	748	750	753	752	747	743	740	0	20	59 757	13	25 724	33
20				745	746	748	753	755	753	755	756	756	751	743	731	724	723	723	726	731	735	738	735	730	735	736	732	740	0	8	43 757	13	23 713	44
21				736	743	739	738	741	743	748	746	745	745	744	732	728	738	738	729	717	722	728	731	733	733	733	733	736	0	10	11 750	16	46 712	38
22				733	734	738	737	736	734	736	733	725	717	715	720	723	730	733	736	733	732	732	733	732	733	737	735	731	0	2	21 739	10	39 714	25
23			✓	733	737	729	737	741	738	741	741	726	722	714	706	711	724	717	730	728	726	728	729	729	734	699	679	725	1	21	31 752	23	58 668	84
24			✓	678	694	686	686	686	695	701	698	688	658	664	684	696	712	717	720	691	701	722	720	720	720	722	722	699	1	15	29 728	9	52 648	80
25				723	720	722	720	724	722	719	721	709	697	692	692	699	702	706	715	721	721	721	723	721	727	724	723	715	0	21	52 736	10	33 686	50
26	✓			729	734	731	729	733	736	734	739	734	721	713	716	724	726	728	730	733	732	730	728	727	730	731	730	729	0	7	36 747	10	47 711	36
27				732	733	730	735	733	730	731	735	730	723	715	705	706	711	716	724	727	728	727	729	728	728	729	740	726	0	23	33 753	11	48 703	50
28			✓	737	729	747	739	737	734	734	736	739	735	718	706	708	712	719	716	713	729	722	721	734	734	731	689	726	1	2	25 749	23	51 662	87
29																																		
30																																		
31																																		
MEANS ALL DAYS				735	736	737	736	736	737	738	736	731	724	720	719	720	722	724	728	728	732	732	733	732	734	734	734	731						50
MEANS TEN DAYS ✱				737	736	736	736	737	739	739	737	732	726	723	723	726	727	730	734	739	741	741	742	742	742	741	741	735						37
MEANS FIVE DAYS † (G. M. T.)				740	740	741	742	743	744	744	734 742	728 739	721	719	719	721	720	724	728	733	735	736	739	739	740	740	740	734						
MEANS FIVE DAYS ‡ (G. M. T.)				715	717	718	711	713	714	716	712	726	712	706	706	704	710	711	715	710	723	717	718	717	719	719	713	714						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 260

HORIZONTAL INTENSITY

23974 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

MARCH 1942 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120th MERIDIAN MEAN TIME) MARCH 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	712	716	713	712	716	713	715	712	705	702	704	703	702	708	717	710	745	773	672	732	708	709	701	710	713	2	17	10838	18	11617	221
2			✓	696	691	720	747	715	681	656	656	636	624	593	632	648	650	660	672	678	689	696	699	707	710	701	700	677	1	3	12779	10	32586	193
3			✓	705	702	707	703	695	697	699	702	695	682	675	670	658	669	677	674	670	697	687	690	692	686	710	705	689	1	22	34720	12	53650	70
4				689	693	694	692	694	699	696	695	690	674	670	673	670	679	682	685	689	686	701	695	699	708	715	713	691	1	22	00719	10	01660	59
5			✓	718	734	724	719	713	716	716	711	702	700	703	706	713	687	682	691	698	700	707	713	711	716	725	739	710	1	23	23774	13	59673	101
6				733	751	723	699	696	687	674	678	673	663	656	655	659	668	677	677	686	673	675	702	692	697	707	720	688	1	1	49768	11	16649	119
7				712	710	712	714	715	720	731	731	726	719	720	718	706	706	714	722	714	719	701	723	728	726	747	752	720	1	22	43767	12	52685	82
8			✓	749	750	746	747	751	745	741	738	725	719	688	693	706	693	684	685	689	696	695	709	718	720	718	729	718	1	4	37760	10	34675	85
9				728	729	715	710	712	722	721	717	707	660	676	677	694	697	684	679	688	700	696	698	708	707	719	722	703	1	1	29739	9	38652	87
10				724	741	727	731	722	718	707	721	716	709	697	688	677	682	695	703	709	713	713	711	717	719	726	742	713	0	1	30753	13	07672	81
11	✓			734	729	731	739	740	743	742	742	736	724	716	710	699	692	703	712	718	718	720	721	723	723	725	725	724	0	3	22747	13	27690	57
12	✓	✓		726	726	726	726	727	729	731	732	729	727	724	717	713	711	719	732	724	724	728	734	735	735	734	735	727	0	21	17737	13	37709	28
13				736	737	738	739	740	742	741	740	726	726	737	720	702	708	713	718	714	687	682	679	677	680	704	707	716	1	5	52743	20	32668	75
14				714	720	728	732	731	723	725	731	728	723	725	728	730	725	718	684	670	695	710	703	719	712	708	737	717	1	23	20752	16	21657	95
15	✓			724	718	721	722	726	723	723	716	724	734	742	741	737	727	720	716	716	720	722	725	725	738	732	722	726	0	21	43754	16	02711	43
16	✓	✓		727	732	738	730	730	730	729	729	728	730	728	726	725	721	723	719	721	725	727	728	730	728	729	729	728	0	2	05750	15	13716	34
17	✓			731	729	735	734	735	732	730	728	725	719	719	722	729	727	718	714	718	721	723	727	730	730	730	731	727	0	2	43739	15	23708	31
18				731	732	738	733	730	732	735	738	732	729	730	730	725	724	723	724	728	723	729	730	736	737	730	718	730	0	21	46743	23	52711	32
19				725	718	720	732	739	751	743	743	737	738	739	740	726	713	714	729	738	738	732	732	722	716	717	710	730	0	5	29756	24	00700	56
20				721	703	714	732	717	722	723	723	719	721	714	709	705	699	699	698	703	707	710	721	726	726	727	726	715	0	3	29747	13	33693	54
21				727	728	732	731	731	728	731	733	730	725	714	711	713	708	696	685	665	670	668	674	686	694	704	702	708	1	2	12736	16	22660	76
22				715	730	715	714	712	719	721	719	719	714	715	717	701	697	696	702	711	710	706	709	712	725	729	724	714	0	1	15744	15	02689	55
23				720	723	728	733	732	734	732	726	721	723	722	715	716	714	714	715	717	720	723	724	728	731	723	725	723	0	23	52743	13	52711	32
24	✓			723	715	720	720	720	728	730	735	730	728	734	734	723	722	726	729	724	721	728	730	732	727	734	738	727	0	23	07747	1	44712	35
25	✓	✓		730	730	732	734	735	734	735	735	737	733	734	733	726	724	730	735	737	734	728	729	729	728	735	734	732	0	16	07738	21	02721	17
26				736	736	734	734	734	734	732	732	732	727	727	728	721	715	726	743	746	719	677	710	711	707	685	700	723	1	14	47760	22	12659	101
27	✓	✓		710	721	723	729	729	729	729	737	733	732	725	716	709	710	715	716	718	720	720	720	723	723	727	728	723	0	7	52742	0	47671	71
28	✓	✓		725	725	728	733	734	734	729	730	727	720	717	712	703	703	709	716	727	731	733	733	732	731	732	733	725	0	4	47736	12	53699	37
29				737	737	738	740	743	743	743	743	743	746	750	740	721	731	737	738	742	734	727	729	723	717	713	718	735	0	10	48752	22	26700	52
30				725	729	731	731	735	736	733	732	729	724	727	733	732	727	723	726	733	731	735	738	739	736	722	716	730	0	20	59741	23	32713	28
31	✓			723	740	736	728	726	729	732	735	737	735	737	741	734	732	738	736	731	729	735	737	739	737	739	735	734	0	1	34746	0	05716	30
MEANS ALL DAYS				723	725	725	726	725	725	723	724	719	714	712	711	707	705	707	709	712	714	710	716	718	719	721	723	717						69
MEANS TEN DAYS ✱				725	726	729	730	730	731	731	732	731	728	728	725	720	717	720	722	723	724	726	728	730	730	732	731	727						38
MEANS FIVE DAYS † (G. M. T.)				733	733	735	736	737	737	735	733 735	731 731	728	726	721	715	714	719	724	725	727	727	729	730	729	731	732	729						
MEANS FIVE DAYS ‡ (G. M. T.)				710	713	712	710	702	697	689	690	693	685	673	681	685	681	684	686	696	711	691	709	707	708	711	717	698						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
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‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 261

HORIZONTAL INTENSITY

APRIL 1942 — 23974 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — APRIL 1942

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				735	736	738	738	742	739	737	742	756	755	750	756	748	753	761	757	755	753	754	753	750	747	733	734	747	0	14	38	766	22 23	727	39
2				734	736	736	735	738	740	742	744	742	736	744	743	740	746	744	744	732	714	701	684	665	666	681	705	725	1	15	20	755	20 57	648	107
3			✓	710	686	691	715	695	708	706	704	710	716	714	704	664	658	676	674	671	669	675	682	695	698	713	725	694	1	0	07	732	12 55	652	80
4			✓	714	715	716	728	727	739	746	749	742	719	707	705	709	717	675	642	693	691	672	655	642	663	677	656	700	1	7	38	751	20 04	615	136
5				643	695	695	674	680	685	691	687	676	675	677	672	672	680	686	690	695	697	703	699	702	711	700	698	687	0	1	50	730	0 24	629	101
6	✓			700	714	708	708	710	713	712	710	704	702	699	692	687	691	696	702	709	712	715	715	717	720	719	719	707	0	21	21	728	12 05	685	43
7	✓	✓		720	721	720	720	723	723	724	725	722	722	722	718	711	707	706	709	716	721	724	724	723	726	726	725	720	0	22	50	728	14 53	705	23
8				726	726	726	728	729	731	735	740	740	739	723	724	735	737	733	704	676	689	715	721	725	723	724	731	724	1	9	30	744	16 40	667	77
9				726	740	734	725	724	726	726	726	721	716	713	713	714	710	708	709	716	722	726	728	726	730	745	740	724	0	22	12	753	15 18	705	48
10	✓			739	734	731	731	733	731	733	740	737	728	722	720	716	716	718	721	729	734	735	735	736	733	731	734	730	0	0	10	743	13 11	715	28
11			✓	737	741	743	745	745	745	741	740	724	706	695	681	676	667	679	684	640	668	669	646	645	672	669	674	697	1	4	38	748	16 43	621	127
12	✓			684	692	700	699	700	704	707	712	715	717	719	716	709	706	706	709	712	716	718	717	718	721	715	710	709	0	21	04	726	0 00	681	45
13				713	713	716	721	721	721	724	727	729	731	734	731	721	713	710	718	728	735	734	734	734	720	724	698	723	1	22	34	743	23 34	689	54
14				695	697	708	715	715	724	732	716	708	659	673	705	702	695	697	703	704	719	718	723	717	714	715	720	707	1	6	08	742	9 57	651	91
15	✓			722	722	724	726	727	726	725	725	721	715	712	715	714	707	707	707	711	718	723	724	717	724	725	725	719	0	4	50	729	14 00	706	23
16				728	731	732	734	732	729	729	732	732	728	721	719	717	709	709	704	699	712	716	715	715	715	720	722	721	0	3	39	736	16 01	694	42
17			✓	724	733	736	733	738	732	744	739	696	684	685	666	687	686	644	640	660	652	680	686	690	690	714	714	698	1	22	55	751	15 10	621	130
18			✓	690	704	698	704	705	708	712	720	720	723	715	715	718	696	683	670	683	680	680	680	669	701	692	692	698	1	21	38	728	20 33	658	70
19				696	704	709	710	707	708	702	703	700	710	711	709	703	706	695	695	701	703	706	708	708	718	721	717	706	0	22	21	722	14 52	687	35
20				716	717	722	722	719	716	718	723	717	710	701	709	707	708	706	697	708	715	720	712	703	699	711	717	712	0	23	59	723	21 36	695	28
21	✓	✓		734	730	722	724	725	723	724	725	723	719	718	717	717	721	720	719	724	727	727	728	729	732	732	731	725	0	0	49	748	12 03	713	35
22	✓	✓		731	734	732	732	734	732	733	732	725	719	718	721	726	727	725	722	726	732	736	735	737	737	736	734	730	0	22	06	738	10 32	716	22
23				736	736	737	739	740	741	742	744	744	745	743	744	753	755	747	752	765	755	735	709	689	693	701	700	735	1	16	01	773	20 49	671	102
24				727	723	721	719	714	715	717	715	708	700	709	716	718	712	714	714	715	710	707	709	714	716	716	719	714	0	0	35	738	9 41	692	46
25	✓	✓		719	721	720	723	722	722	724	727	727	726	718	708	708	710	711	714	721	726	729	729	730	728	728	728	722	0	21	20	730	11 50	704	26
26	✓	✓		728	731	732	733	732	733	734	735	736	735	727	716	716	712	707	710	716	726	729	730	730	733	733	733	727	0	8	11	737	14 54	705	32
27				734	733	733	734	736	738	737	740	741	737	729	727	729	732	729	731	737	737	739	734	734	732	731	722	734	0	9	07	742	23 48	715	27
28				717	711	716	711	706	708	713	708	696	679	708	716	700	702	697	701	707	711	710	715	717	717	720	718	708	0	22	30	727	9 51	676	51
29	✓			720	723	724	723	727	723	720	726	727	723	714	704	703	707	709	712	720	725	725	725	725	725	724	725	720	0	8	01	730	12 13	701	29
30				724	724	727	727	730	732	730	732	735	725	716	711	718	718	719	730	735	745	745	739	718	709	712	715	726	0	17	54	751	21 28	704	47
31																																			
MEANS ALL DAYS				717	721	722	723	723	724	725	726	722	717	715	713	711	710	707	706	710	714	716	713	711	714	716	716	716							58
MEANS TEN DAYS ✱				720	722	721	722	723	723	724	726	724	721	717	713	711	710	710	712	718	724	726	726	726	728	727	726	721							31
MEANS FIVE DAYS † (G. M. T.)				731	732	732	733	734	735	736	729 738	727 737	724	721	716	716	715	714	715	721	726	729	729	730	731	731	730	727							
MEANS FIVE DAYS ‡ (G. M. T.)				685	702	704	703	704	709	712	714	718	710	703	694	691	685	671	662	669	672	675	670	668	685	693	692	691							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 262

HORIZONTAL INTENSITY

23974 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1942 — MAY 1942

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				718	713	735	729	729	730	735	745	738	731	720	716	707	702	696	677	680	694	698	696	701	708	711	719	714	0	7 36	749	15 38	671	78
2				719	719	721	723	726	728	731	733	733	726	720	714	716	716	702	700	711	713	692	687	684	692	701	718	714	0	8 19	734	20 29	682	52
3				706	716	714	716	722	725	725	732	730	727	724	722	718	707	709	711	712	716	717	719	722	725	725	724	719	0	7 49	735	13 54	702	33
4			✓	730	729	729	730	732	733	737	744	746	741	728	718	726	735	727	718	724	734	737	735	737	734	727	723	731	0	8 18	747	11 47	716	31
5			✓	718	727	726	737	753	745	742	738	727	710	716	710	697	694	689	684	684	685	684	693	708	704	712	712	712	0	4 43	767	15 12	681	86
6				715	715	717	723	722	722	731	736	738	736	727	716	710	703	707	706	707	705	708	704	710	721	724	726	718	0	8 48	741	13 40	700	41
7	✓			726	726	729	732	734	734	737	742	747	743	731	723	716	714	717	722	726	728	730	728	733	735	736	736	730	0	8 43	748	13 17	713	35
8	✓			735	738	741	740	745	746	746	752	751	749	740	729	726	728	728	731	737	739	740	739	737	739	739	738	739	0	7 39	754	12 25	726	28
9	✓	✓		742	744	747	747	750	753	755	758	756	755	747	738	735	735	728	732	737	741	740	740	740	740	742	742	744	0	7 40	761	14 24	726	35
10				741	742	743	743	745	745	748	752	753	747	736	733	728	730	731	733	739	748	748	749	743	738	743	747	742	0	8 37	754	12 55	727	27
11				747	747	749	752	755	765	771	766	771	768	760	760	756	745	728	728	733	745	747	746	744	742	743	745	751	0	8 14	777	14 43	723	54
12	✓	✓		741	741	741	741	743	744	746	750	749	743	735	733	731	729	729	734	741	746	748	748	745	745	743	743	741	0	8 02	752	13 41	727	25
13	✓	✓		745	740	735	734	735	737	740	743	746	743	735	726	720	717	720	732	735	743	745	743	741	739	736	737	736	0	0 46	749	13 36	715	34
14			✓	741	743	745	746	749	752	755	755	761	764	761	757	751	727	688	673	679	673	688	707	708	704	702	706	726	1	9 39	766	17 44	663	103
15				711	718	719	721	724	730	732	735	733	729	724	717	713	704	698	698	705	716	728	731	729	728	728	728	721	0	7 59	735	14 59	695	40
16				728	731	733	730	738	739	734	735	736	733	728	722	717	716	714	717	726	733	734	733	724	731	733	737	729	0	5 01	746	15 21	712	34
17	✓			734	732	732	741	740	739	740	739	739	732	726	721	723	723	720	722	725	731	734	737	736	734	733	733	732	0	4 06	745	11 42	717	28
18				731	737	740	739	736	736	738	743	746	736	734	732	724	721	720	723	729	734	729	734	734	734	740	742	734	0	2 55	747	13 59	718	29
19	✓			740	740	739	739	738	740	740	748	754	752	746	740	737	726	717	717	726	737	740	736	732	731	731	733	737	0	8 37	755	14 43	715	40
20				733	736	739	745	745	745	747	752	759	762	759	754	748	746	731	730	734	743	746	748	746	746	749	754	746	0	9 44	762	15 33	730	32
21				763	748	745	750	748	748	748	760	766	755	733	736	736	733	730	735	744	750	750	746	746	744	735	738	745	0	0 13	771	10 20	728	43
22				737	739	740	741	740	743	740	745	750	750	744	739	732	724	722	696	705	729	738	737	737	737	737	736	735	0	8 59	751	16 10	686	65
23				735	729	727	741	739	722	717	722	727	733	730	721	719	719	716	723	732	735	737	735	733	735	732	732	729	0	3 31	748	14 06	715	33
24				732	736	736	736	735	732	737	742	751	752	744	735	725	719	724	730	738	743	744	743	740	739	737	738	737	0	9 27	753	13 23	716	37
25	✓			737	741	739	739	742	742	737	739	745	752	746	734	726	724	726	733	739	740	738	739	740	739	738	738	738	0	9 16	753	13 27	722	31
26	✓	✓		740	740	742	725	742	741	742	743	745	745	741	738	736	736	735	733	738	743	742	741	738	738	737	740	739	0	23 23	745	15 26	732	13
27			✓	737	737	739	741	742	743	746	751	757	755	751	749	751	751	750	750	756	757	741	713	711	715	718	722	741	1	17 02	761	19 53	704	57
28			✓	718	721	728	729	743	729	724	730	745	749	746	743	726	695	685	678	700	701	709	707	706	711	717	734	720	0	9 49	751	15 15	672	79
29				723	722	722	722	724	728	730	733	741	747	741	736	728	720	721	721	723	732	733	729	721	725	726	726	728	0	9 17	750	13 20	716	34
30				729	731	734	736	736	735	737	742	747	742	732	739	739	737	732	727	727	727	730	731	731	733	729	728	734	0	8 51	748	15 30	724	24
31	✓	✓		729	730	731	733	739	741	741	747	749	744	738	730	725	723	727	728	728	732	731	732	732	732	730	735	734	0	8 43	750	13 21	722	28
MEANS ALL DAYS				732	733	734	736	738	738	740	744	746	744	737	732	727	723	718	717	723	729	730	729	729	730	730	733	732						42
MEANS TEN DAYS ✻				737	737	738	737	741	742	742	746	748	746	738	731	728	726	725	728	733	738	739	738	737	737	736	738	737						30
MEANS FIVE DAYS (G. M. T.) †				740	740	740	741	743	745	747	748 750	749 754	746	739	733	729	728	728	732	736	741	741	741	739	739	738	739	739						
MEANS FIVE DAYS (G. M. T.) ‡				717	721	722	726	733	731	732	734	747	744	740	735	730	720	708	701	709	710	712	711	714	714	715	719	723						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
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TABLE 263

HORIZONTAL INTENSITY

23974 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1942 — JUNE 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			737	738	736	739	742	746	746	749	754	758	756	747	742	739	736	741	748	750	747	750	748	746	745	744	745	0	10 06	759	13 31	734	25
2	✓	✓		743	744	744	747	749	755	757	759	761	761	758	755	751	744	741	742	747	752	753	752	750	747	746	746	750	0	8 51	762	15 00	740	22
3				746	746	746	748	749	751	754	758	764	766	767	763	759	754	752	754	754	755	755	758	746	738	722	725	751	0	10 11	769	24 00	716	53
4	✓			726	742	737	736	737	742	744	748	746	745	748	748	739	731	726	728	736	741	743	744	744	745	744	744	740	0	7 59	749	0 03	716	33
5				741	741	740	748	743	746	746	748	750	751	754	755	756	746	741	729	723	724	726	727	729	731	733	737	740	0	12 30	757	16 57	721	36
6				739	742	745	749	751	752	753	754	754	759	753	750	748	736	727	731	744	745	735	732	734	732	733	735	743	0	9 43	759	14 40	724	35
7	✓	✓		738	738	738	740	741	743	747	753	760	764	762	752	743	750	728	724	727	729	729	729	732	735	735	735	740	0	10 16	764	15 07	724	40
8	✓			736	737	739	742	744	746	748	752	759	760	754	750	741	737	741	744	744	748	749	747	741	736	737	740	745	0	9 15	762	21 08	734	28
9	✓	✓		742	742	743	744	745	744	747	753	758	759	758	756	751	744	738	736	741	746	747	749	747	745	746	746	747	0	9 28	760	15 40	735	25
10	✓	✓		746	746	746	746	748	749	751	752	754	756	752	748	743	742	743	744	747	753	754	752	752	750	748	748	749	0	9 28	757	13 21	741	16
11			✓	746	748	749	752	754	755	757	763	775	775	772	767	760	752	740	740	757	763	754	745	744	725	708	714	751	1	9 05	777	22 46	699	78
12				714	715	717	729	729	727	722	725	728	727	733	730	722	711	708	708	716	718	711	717	715	715	717	721	720	1	23 54	735	18 17	704	31
13			✓	739	737	735	727	728	731	732	740	746	735	728	731	727	723	722	717	719	725	735	739	740	736	729	728	731	1	0 26	752	16 11	714	38
14				753	732	731	736	736	734	727	730	742	742	741	733	722	713	707	722	724	727	731	727	725	750	733	730	731	1	21 22	765	14 08	693	72
15	✓			732	733	732	746	739	737	735	738	742	743	733	729	729	726	721	718	721	731	738	739	734	733	733	732	733	0	3 51	749	15 54	715	34
16				732	733	733	737	[illegible]	737	738	744	750	751	744	739	735	729	728	727	728	733	735	735	734	733	735	738	736	0	9 35	753	15 57	725	28
17				739	742	742	740	742	740	742	749	755	761	761	755	743	737	732	728	722	720	726	734	729	732	732	732	739	0	10 46	763	17 56	714	49
18				731	732	734	739	741	742	746	748	745	744	750	750	744	741	736	731	731	729	738	739	740	738	734	735	739	0	10 26	752	17 16	725	27
19			✓	736	737	738	740	742	744	746	751	754	755	755	752	750	746	739	743	746	751	753	745	733	714	703	715	741	1	18 21	756	22 31	697	59
20				721	721	707	705	708	731	737	739	743	743	738	735	727	724	721	718	707	714	715	715	713	721	725	723	723	0	9 33	745	2 56	703	42
21	✓			722	725	725	727	729	733	734	738	741	738	735	727	715	709	720	727	729	734	732	733	732	731	731	732	729	0	7 59	741	13 24	704	37
22	✓	✓		731	732	733	734	736	737	739	744	748	748	743	736	732	732	732	732	737	740	740	740	738	740	737	736	737	0	9 03	749	0 53	729	20
23				737	737	738	739	742	745	748	753	756	758	756	751	750	748	745	745	757	757	753	745	744	742	744	742	747	0	16 39	759	0 03	735	24
24				733	734	733	730	736	740	744	742	739	734	733	733	730	722	724	726	726	739	738	733	733	733	732	742	734	0	23 09	748	14 01	718	30
25				734	736	737	740	743	745	745	739	741	739	733	727	722	715	716	724	730	736	734	733	730	730	727	725	733	0	5 54	747	14 11	710	37
26				728	734	732	733	736	736	736	739	742	742	736	730	724	721	727	731	735	734	735	736	736	733	728	732	733	0	8 24	744	13 26	719	25
27				730	736	741	737	738	742	744	748	749	745	740	735	727	732	737	734	739	745	744	742	742	739	739	739	739	0	8 27	750	12 21	724	26
28				739	742	745	745	745	746	748	753	754	754	748	739	728	725	726	727	719	730	735	736	728	719	713	708	736	0	9 08	757	22 59	705	52
29			✓	720	724	733	731	730	733	730	747	747	740	738	730	717	713	710	716	727	730	733	731	728	726	728	730	729	1	8 11	751	14 38	705	46
30			✓	731	742	746	734	735	737	746	748	745	744	733	724	697	686	695	706	720	731	734	730	734	726	717	726	728	0	2 01	766	13 08	679	87
31																																		
MEANS ALL DAYS				735	736	736	738	739	742	743	747	750	750	747	743	736	731	729	730	733	738	738	738	736	734	731	733	738						39
MEANS TEN DAYS ✲				735	738	737	740	741	743	745	749	752	753	750	745	739	735	733	734	738	742	743	744	742	741	740	740	742						28
MEANS FIVE DAYS † (G. M. T.)				742	743	744	745	747	749	752	752 756	756 762	758	755	749	744	742	736	736	740	744	745	744	744	743	742	742	746						
MEANS FIVE DAYS ‡ (G. M. T.)				730	727	726	727	728	734	734	736	753	750	745	741	730	724	721	724	734	740	742	738	736	725	717	723	733						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 264

HORIZONTAL INTENSITY

23974 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1942 — JULY 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				730	727	729	731	732	739	739	738	751	750	751	753	742	715	698	694	701	720	710	702	723	726	725	727	727	1	11	50	754	15	30	691	63
2	✓	✓		733	734	736	733	736	736	733	738	747	750	750	748	740	735	731	732	738	743	744	742	739	737	738	739	739	0	10	28	751	15	07	728	23
3	✓	✓		736	736	737	739	741	743	746	749	757	757	753	750	743	738	733	732	737	738	740	744	743	741	740	739	742	0	9	10	760	14	57	732	28
4	✓	✓		741	742	742	743	745	746	747	749	753	752	748	746	746	744	740	737	740	741	743	742	743	744	744	744	744	0	9	23	754	15	51	736	18
5	✓	✓		745	745	746	747	747	748	750	756	762	766	764	759	754	758	757	752	748	751	754	752	742	738	741	745	751	0	9	36	767	21	56	736	31
6	✓			748	748	749	749	754	758	755	755	754	754	755	754	753	754	750	739	741	750	758	759	758	758	755	748	752	0	20	03	761	15	52	732	29
7	✓			746	751	749	748	748	748	744	751	760	762	760	754	746	743	734	731	739	745	744	741	741	743	745	744	747	0	10	01	765	14	51	729	36
8			✓	744	748	751	753	755	756	759	764	762	759	761	752	744	734	719	712	698	695	685	696	696	701	726	714	733	1	7	53	768	18	04	662	106
9				715	715	723	731	725	735	727	724	725	725	713	721	724	729	729	726	726	727	730	732	729	726	730	739	726	1	22	54	745	10	44	708	37
10				732	742	733	731	734	732	731	736	738	737	733	730	723	715	716	721	723	729	737	738	737	734	734	733	731	0	1	11	747	14	04	711	36
11			✓	738	739	737	738	742	739	745	756	748	753	750	747	741	703	662	669	669	663	686	678	674	662	673	669	712	1	7	42	764	14	30	653	111
12				678	691	693	705	717	736	724	729	729	729	722	719	705	694	704	720	727	715	679	684	698	714	717	717	710	1	5	29	743	0	01	668	75
13				717	719	720	729	728	729	726	729	735	746	748	740	738	721	715	718	721	729	730	730	729	730	727	723	728	0	10	50	751	14	45	712	39
14				725	728	726	727	727	730	733	735	737	739	736	739	740	730	728	730	725	725	733	729	731	730	725	729	731	0	11	59	744	0	01	717	27
15			✓	730	732	732	733	735	735	737	733	749	752	747	730	716	718	721	724	708	713	732	732	729	725	737	727	730	1	9	39	754	17	00	693	61
16				727	745	736	738	752	746	735	723	726	747	745	742	733	724	724	723	713	710	710	719	720	720	720	727	729	0	4	51	750	17	03	705	45
17				725	728	728	726	726	732	736	747	742	740	744	734	722	693	706	712	718	725	725	725	727	729	728	725	727	0	5	59	750	13	34	682	68
18	✓			725	738	732	732	733	733	735	740	747	750	752	752	749	741	735	725	722	727	730	736	735	734	735	732	736	0	10	36	754	16	01	717	37
19	✓	✓		730	732	734	734	735	736	739	745	746	746	742	737	732	732	732	732	737	743	743	737	729	726	726	729	736	0	9	35	746	22	23	723	23
20			✓	733	735	735	737	739	741	745	746	752	759	756	751	751	751	741	741	758	749	729	715	711	716	717	736	739	1	17	09	774	19	00	705	69
21				731	728	729	734	740	738	731	735	730	712	727	735	721	713	713	716	719	719	723	732	732	730	723	722	726	0	4	03	747	9	16	706	41
22	✓			725	727	729	730	733	733	736	739	747	746	746	741	734	733	733	730	730	733	730	729	732	738	736	736	734	0	8	32	750	19	51	723	27
23	✓			733	734	735	735	738	740	741	745	743	748	748	746	745	742	731	722	733	736	739	741	740	739	736	738	739	0	9	51	750	15	11	718	32
24				738	731	739	737	738	738	738	744	748	744	741	727	724	722	726	733	732	735	738	739	739	737	734	741	736	0	8	03	749	11	50	719	30
25				742	740	735	746	745	743	745	743	740	733	731	722	714	714	710	717	715	716	701	708	704	725	709	707	725	1	21	38	753	19	16	674	79
26				714	719	724	748	738	734	738	728	738	734	729	726	726	724	722	725	731	738	738	738	729	727	730	732	730	0	3	28	757	0	00	710	47
27			✓	731	737	731	747	748	745	759	759	749	742	737	720	691	701	704	717	727	721	721	713	726	719	724	726	729	1	6	56	766	12	50	682	84
28				727	731	749	741	733	731	725	718	730	736	732	720	708	691	708	711	720	719	721	723	720	733	730	728	724	0	2	36	753	13	11	677	76
29				724	726	729	728	729	735	736	741	724	730	728	731	731	721	715	713	705	710	722	728	727	726	723	729	725	0	7	38	743	16	51	701	42
30				731	731	730	730	732	733	734	738	733	740	732	720	723	721	724	718	713	716	732	730	729	732	736	736	729	0	9	41	741	16	01	710	31
31				733	744	739	733	733	735	733	739	741	730	726	720	716	708	714	721	727	733	738	736	734	732	739	745	731	0	23	27	750	13	17	705	45
MEANS ALL DAYS				730	733	733	736	737	739	739	741	743	744	742	738	731	725	722	722	724	726	727	727	727	728	729	730	732								48
MEANS TEN DAYS ✲				736	739	739	739	741	742	743	747	752	753	752	749	744	742	738	733	736	741	742	742	740	740	740	739	742								28
MEANS FIVE DAYS † (G. M. T.)				741	741	742	743	745	747	749	747 751	753 756	754	751	748	743	741	739	737	740	743	745	743	739	737	738	739	744								
MEANS FIVE DAYS ‡ (G. M. T.)				716	722	726	730	733	737	728	726	752	753	750	740	729	721	709	713	712	708	711	707	707	705	715	714	724								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
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⊼ = NO RECORD

TABLE 265

HORIZONTAL INTENSITY

23974 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			738	733	729	735	736	739	741	743	742	739	736	724	715	716	719	722	730	736	737	737	736	736	736	736	733	0	7	26	744	12 36	713	31
2	✓			737	736	735	735	738	740	744	748	750	748	742	734	725	722	724	730	734	746	749	747	744	723	730	731	737	0	8	58	752	13 09	720	32
3				733	733	733	734	738	742	744	748	750	749	741	732	730	723	722	730	735	738	739	726	737	733	733	727	735	0	8	16	753	13 40	717	36
4	✓	✓		735	735	735	734	738	739	743	747	751	752	743	732	725	719	713	722	733	738	738	736	736	736	737	738	736	0	9	11	755	14 44	710	45
5	✓			738	738	738	745	741	743	744	745	752	754	754	751	743	734	727	732	736	739	740	735	735	734	733	734	740	0	10	12	755	14 33	724	31
6				734	736	741	744	742	743	748	752	758	761	760	755	748	744	736	733	742	749	747	747	737	730	726	713	743	0	9	35	762	23 45	710	52
7				708	722	728	729	741	741	742	740	741	743	745	740	731	729	712	704	719	711	694	704	715	717	717	717	725	1	9	49	748	15 00	687	61
8	✓	✓		720	726	733	730	729	731	737	735	737	737	733	732	731	728	726	729	731	730	730	731	733	732	731	731	731	0	19	06	738	0 11	715	23
9				733	734	735	735	735	735	736	741	749	753	752	743	737	738	740	741	746	755	757	743	734	718	717	716	738	0	18	09	759	23 46	713	46
10			✓	716	730	733	734	737	739	743	756	762	751	741	738	727	717	714	713	722	733	734	732	719	723	729	713	732	1	8	36	764	24 00	701	63
11				720	718	755	737	726	726	726	730	738	741	742	731	720	713	703	704	712	721	719	717	716	713	719	721	724	0	2	45	786	15 41	698	88
12				724	724	739	730	732	732	735	738	742	745	742	736	725	715	707	700	705	713	720	721	717	722	725	725	726	0	9	31	747	15 24	695	52
13	✓	✓		728	732	733	734	732	732	734	738	740	739	743	745	740	729	716	716	723	732	736	735	734	733	732	733	733	0	11	19	746	14 41	713	33
14	✓			736	736	737	739	741	741	742	744	745	742	740	735	730	727	725	725	725	722	727	725	729	728	731	731	733	0	8	41	745	17 15	719	26
15				732	733	735	735	735	737	740	744	747	747	744	740	738	732	727	728	731	735	744	746	743	743	741	740	738	0	8	40	747	14 57	726	21
16			✓	754	742	755	744	732	728	735	748	758	766	760	746	718	704	702	703	710	723	718	723	720	723	727	726	732	1	9	52	771	13 04	699	72
17				729	733	736	736	754	746	744	725	725	724	730	724	717	716	722	709	707	714	712	713	737	723	720	719	726	1	4	34	766	15 49	701	65
18			✓	745	734	732	733	735	736	747	739	728	725	720	717	714	708	690	685	697	685	699	699	704	706	728	732	718	1	0	38	767	17 12	666	101
19			✓	715	720	724	737	742	730	726	723	720	723	718	709	715	715	704	700	700	720	711	725	743	724	723	725	720	1	20	33	761	16 39	688	73
20				747	723	729	723	720	724	720	729	727	720	711	710	707	710	711	709	713	724	712	726	718	739	726	726	721	1	0	18	759	12 38	704	55
21				728	729	748	736	735	731	732	730	732	729	719	708	703	700	702	704	716	728	727	724	724	727	734	727	724	0	2	48	771	13 53	691	80
22				726	730	729	729	729	731	733	731	729	729	731	726	700	686	701	714	722	733	735	736	734	732	733	735	726	0	23	34	739	13 06	681	58
23			✓	736	738	737	739	741	740	738	743	739	718	723	709	713	711	710	706	716	718	722	724	710	705	704	721	723	1	23	51	784	20 45	693	91
24				720	712	718	732	712	717	733	728	734	730	718	723	713	717	711	704	711	719	720	725	723	733	720	721	721	1	0	03	756	0 44	693	63
25				743	738	729	728	726	719	732	724	729	731	718	711	689	677	683	694	708	720	724	724	718	720	722	720	718	1	0	33	754	13 44	655	99
26				725	728	728	730	736	729	731	742	749	747	740	739	730	711	718	719	716	728	731	731	727	719	719	719	729	0	8	56	751	13 15	705	46
27				726	728	733	730	735	738	736	732	734	728	733	725	736	711	698	701	713	715	729	727	730	723	739	723	726	1	22	14	750	15 01	685	65
28	✓	✓		724	730	731	731	731	733	734	736	737	735	733	727	726	727	725	724	717	722	727	728	731	732	733	731	729	0	8	03	735	16 50	713	22
29	✓	✓		731	731	731	733	734	737	739	742	743	744	741	734	726	721	718	718	726	734	740	741	740	738	739	737	734	0	9	26	745	15 13	717	28
30	✓			737	736	735	736	738	744	747	744	736	728	726	725	724	725	726	728	733	739	743	742	743	740	741	744	736	0	6	04	750	13 00	723	27
31				750	754	746	741	744	749	754	759	761	766	768	760	747	737	723	713	713	722	721	710	701	712	714	711	736	0	10	11	769	20 34	698	71
MEANS ALL DAYS				731	731	735	734	735	735	738	739	741	740	737	731	724	718	715	715	721	727	728	728	728	726	728	727	730							53
MEANS TEN DAYS ✱				732	733	734	735	736	738	740	742	743	742	739	734	728	725	722	725	729	734	737	736	736	733	734	735	734							30
MEANS FIVE DAYS † (G. M. T.)				735	735	735	738	738	740	742	740 743	742 745	741	739	734	730	725	720	722	726	731	734	734	735	734	734	734	734							
MEANS FIVE DAYS ‡ (G. M. T.)				726	721	732	733	731	729	730	727	741	737	732	724	717	711	704	701	709	716	717	721	719	716	722	723	723							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
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△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 266

HORIZONTAL INTENSITY

23973 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1942

SEPTEMBER 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	•			714	722	721	722	726	730	735	744	749	752	750	746	742	731	722	722	728	731	734	745	734	709	689	694	729	0	19	07 753	22	07 682	71
2				700	703	725	724	720	721	726	733	739	740	740	750	744	730	691	687	699	715	716	715	724	729	732	734	722	0	12	04 752	14	46 680	72
3	✓			734	738	740	740	737	734	736	741	739	732	725	720	717	720	726	715	718	718	730	735	729	728	733	735	730	0	1	46 746	15	39 711	35
4				732	733	735	737	738	740	742	743	744	744	742	740	730	729	733	733	739	736	738	736	732	743	746	745	738	0	22	57 749	13	18 727	22
5				737	736	740	746	740	738	738	743	744	738	737	732	715	712	719	729	731	718	713	710	710	718	722	722	729	0	3	14 748	19	50 707	41
6			✓	725	732	734	738	743	738	736	737	738	729	726	724	717	713	713	721	710	726	728	731	727	705	690	716	725	1	4	46 745	22	50 682	63
7				720	729	733	721	722	726	722	732	739	739	736	726	716	715	711	718	730	728	725	733	733	732	730	725	727	0	9	01 741	14	12 704	37
8				739	734	727	728	730	735	738	742	741	742	736	728	732	730	721	711	714	720	724	723	723	722	726	728	729	0	0	40 753	15	17 710	43
9	✓			726	732	731	729	731	733	736	742	741	738	734	721	713	714	718	725	728	730	729	729	734	734	736	734	730	0	8	02 744	14	06 710	34
10	✓			736	733	741	740	741	741	746	751	746	741	735	730	732	732	729	721	719	721	720	722	724	724	726	731	733	0	7	35 752	16	13 717	35
11			✓	728	726	728	731	733	737	745	755	754	748	740	731	723	720	725	739	742	739	735	736	740	734	736	747	736	1	8	08 757	13	49 717	40
12			✓	742	734	753	755	762	746	742	730	718	717	713	683	669	688	675	650	649	648	650	683	704	715	703	706	706	1	4	27 772	18	08 625	147
13				736	720	717	722	725	727	732	725	707	708	707	707	702	712	713	714	710	699	718	727	727	726	723	726	718	1	0	31 758	17	20 688	70
14				752	737	739	747	746	740	726	728	721	707	692	689	692	700	706	713	709	723	718	725	724	722	719	738	721	1	0	32 764	10	57 673	91
15				742	749	730	727	730	736	718	717	716	716	719	708	681	690	695	711	711	717	723	723	725	729	748	737	721	1	22	20 761	12	54 668	93
16				731	721	729	720	721	727	732	735	734	718	702	701	690	672	695	709	718	720	725	730	727	729	730	730	719	1	0	09 739	13	29 663	76
17			✓	730	742	735	731	733	733	742	727	744	734	733	728	717	706	694	708	725	717	720	710	703	720	738	736	725	1	23	01 754	14	11 690	64
18				709	714	728	723	722	716	709	709	712	709	698	698	698	709	707	712	718	722	727	726	728	728	728	736	716	1	23	40 750	10	56 690	60
19				734	729	744	735	725	725	720	726	723	716	710	693	700	696	691	699	712	714	722	727	723	730	729	728	719	1	2	06 757	11	08 679	78
20				732	742	738	734	732	725	730	743	744	745	752	749	733	733	732	729	727	723	723	718	738	726	721	741	734	1	10	38 755	19	51 700	55
21			✓	741	734	732	732	738	737	731	725	739	732	725	727	711	696	705	715	697	681	703	718	735	741	721	722	722	1	20	53 779	17	21 672	107
22				759	735	727	725	730	727	730	735	736	735	735	718	695	679	705	723	727	718	721	728	730	733	727	730	725	1	0	23 747	13	11 669	78
23	✓			733	745	735	733	730	730	732	722	733	733	724	721	716	716	715	718	719	727	731	730	730	732	738	735	728	0	1	10 757	12	49 712	45
24	✓			735	736	738	739	740	739	741	738	732	734	729	727	719	718	719	725	727	731	733	733	732	732	730	734	732	0	6	51 744	13	40 717	27
25	✓	✓		737	735	735	736	738	738	733	735	733	723	714	714	717	722	731	734	736	741	740	739	739	736	735	736	732	0	4	31 743	10	55 709	34
26	✓	✓		734	739	739	741	742	743	743	741	741	740	740	741	737	739	736	737	739	738	739	733	728	725	719	720	736	0	6	00 746	23	30 718	28
27				722	736	733	736	740	744	744	747	746	748	752	749	740	733	728	727	732	736	735	733	735	730	719	721	736	0	11	00 757	23	06 717	40
28	✓	✓		733	736	740	743	745	749	745	751	747	742	734	727	723	726	729	730	733	739	740	737	728	729	734	737	737	0	7	36 753	12	05 722	31
29	✓	✓		741	743	743	743	744	744	746	747	742	739	734	728	724	727	733	737	743	748	750	741	737	734	731	738	739	0	18	18 752	12	38 723	29
30	✓	✓		740	742	750	745	746	747	750	755	758	761	760	754	748	748	746	745	748	737	732	737	740	743	743	743	747	0	9	47 766	18	20 731	35
31																																		
MEANS ALL DAYS				732	733	735	734	735	735	735	737	737	733	729	724	716	715	715	719	721	722	725	727	728	728	727	730	728						56
MEANS TEN DAYS ✲				735	738	739	739	739	740	741	742	741	738	733	728	725	726	728	729	731	733	734	734	732	732	732	734	734						33
MEANS FIVE DAYS † (G. M. T.)				736	741	743	743	743	744	745	746 747	744 746	741	736	733	730	732	735	737	740	741	740	737	734	733	732	735	738						
MEANS FIVE DAYS ‡ (G. M. T.)				733	726	732	729	732	728	727	726	739	732	727	719	707	705	702	707	705	702	707	716	722	723	718	725	720						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 267

HORIZONTAL INTENSITY

23973 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		744	744	748	749	741	742	744	744	742	740	738	734	734	734	734	737	740	744	745	744	744	742	744	752	742	0	23 55	754	11 15	732	22
2			✓	747	745	744	744	747	752	752	753	753	754	754	764	764	763	763	760	746	713	714	728	680	679	680	716	738	1	11 18	767	20 40	669	98
3			✓	714	715	703	696	700	701	708	706	698	688	687	683	668	703	691	683	694	701	700	712	702	698	702	729	699	1	23 23	743	12 30	655	88
4				715	722	720	720	722	719	712	708	709	711	714	721	700	694	697	697	703	705	711	722	742	730	724	724	714	1	20 45	768	13 07	680	88
5				721	722	721	716	720	720	710	712	718	715	707	696	704	700	710	712	720	720	707	696	699	726	726	710	713	1	22 00	759	11 21	690	69
6	✓			717	729	725	726	727	729	732	728	724	725	721	718	719	718	724	726	721	730	729	729	729	728	728	729	725	0	1 14	735	0 00	712	23
7				731	732	734	734	736	734	738	737	729	712	717	727	729	725	721	724	726	722	723	717	720	716	715	740	727	0	23 23	743	9 50	707	36
8				728	728	728	730	730	729	726	726	729	730	726	721	718	719	721	724	725	720	717	715	715	722	728	731	724	0	21 46	736	19 31	713	23
9	✓	✓		731	732	753	742	732	728	730	731	731	728	725	715	709	704	711	716	718	722	723	725	732	737	737	739	727	0	2 48	757	13 23	700	57
10	✓			740	746	745	742	745	746	747	747	747	748	748	738	731	728	731	747	749	754	750	756	755	754	753	754	746	0	17 37	766	14 11	720	46
11				754	753	750	750	752	753	752	751	749	738	732	736	733	728	730	734	737	737	740	738	739	748	743	747	743	0	23 45	764	13 33	726	38
12			✓	755	752	755	761	752	758	759	757	751	743	726	726	725	726	727	728	730	728	713	726	733	713	720	734	737	1	20 18	789	18 20	691	98
13				725	729	733	730	731	730	728	730	742	728	719	717	719	713	713	714	711	714	723	733	736	733	742	749	727	1	22 37	762	16 44	704	58
14				747	757	727	725	723	719	723	729	740	741	740	733	722	714	715	718	721	724	728	733	740	728	732	754	731	1	1 03	778	13 45	705	73
15				728	725	732	735	741	744	735	731	728	727	728	727	697	698	706	714	712	724	730	726	724	725	726	727	725	1	4 54	750	12 48	677	73
16				731	741	754	741	741	731	729	741	740	721	735	741	741	729	730	727	723	727	725	721	735	742	735	746	734	1	2 19	766	9 37	708	58
17				747	735	734	742	731	737	741	741	745	752	750	748	733	729	737	731	733	732	731	730	732	733	732	733	737	0	0 45	755	12 57	715	40
18				741	738	733	734	736	734	736	739	744	744	732	722	717	719	719	719	723	725	729	736	734	742	737	733	732	1	9 19	748	12 10	711	37
19				752	750	743	740	731	732	734	734	718	712	714	710	702	698	696	713	718	720	710	709	742	729	712	732	723	1	0 45	777	14 11	678	99
20				728	730	728	730	730	731	731	730	723	724	724	716	705	707	716	719	721	723	721	735	749	739	772	741	728	1	22 20	780	13 03	699	81
21	✓			722	712	714	718	723	727	730	733	733	733	731	730	725	723	724	728	732	737	737	735	730	744	736	736	729	0	24 00	761	1 24	710	51
22	✓	✓		748	736	732	733	733	733	733	730	725	726	727	725	725	727	733	736	738	740	736	734	736	737	734	734	733	0	0 06	761	8 48	723	38
23	✓	✓		736	738	739	742	744	744	746	743	743	746	748	743	736	732	732	730	730	727	733	730	725	730	739	741	737	0	10 16	749	21 04	722	27
24	✓	✓		742	748	746	744	746	747	749	752	753	755	756	753	746	741	741	743	744	747	753	754	755	754	753	749	749	0	9 57	757	13 56	739	18
25				750	750	750	751	754	754	757	759	759	753	742	736	728	726	721	712	719	734	747	744	734	737	734	730	741	0	7 50	760	15 19	706	54
26	✓			736	738	741	743	742	742	746	751	748	743	739	741	737	736	739	742	742	741	739	739	739	739	739	740	741	0	7 05	752	12 59	730	22
27	✓			741	744	744	745	749	754	760	761	754	750	747	747	746	740	739	741	739	739	743	745	747	746	749	756	747	0	7 19	763	14 10	733	30
28			✓	759	756	753	753	754	755	757	762	758	755	749	738	730	728	732	740	748	745	740	744	733	706	699	712	742	1	7 25	763	22 00	673	90
29			✓	681	651	645	662	683	724	694	683	685	685	678	663	672	667	670	650	654	674	714	663	667	679	697	704	677	2	0 05	745	15 35	632	113
30				717	706	701	708	722	708	703	706	701	698	684	685	693	681	694	705	703	711	701	706	731	720	712	724	705	1	23 43	742	13 47	674	68
31				726	727	712	714	712	706	708	715	722	717	714	692	693	689	689	705	721	716	715	717	703	708	736	724	712	1	22 10	751	14 40	680	71
MEANS ALL DAYS				734	733	732	732	733	734	734	735	734	730	727	724	719	717	720	722	724	726	727	727	728	728	730	735	729						58
MEANS TEN DAYS ✲				736	737	739	738	736	739	742	742	740	739	738	734	731	728	731	735	735	738	739	739	739	741	741	743	738						33
MEANS FIVE DAYS † (G. M. T.)				743	745	745	745	747	749	750	740 751	739 751	739	739	734	730	728	730	732	734	736	738	737	738	740	741	743	740						
MEANS FIVE DAYS ‡ (G. M. T.)				710	705	700	703	712	716	709	707	729	725	719	715	712	717	717	712	714	712	716	715	703	695	700	719	712						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 268

HORIZONTAL INTENSITY

23973 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1942 — NOVEMBER 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				719	726	725	723	718	713	718	723	725	729	724	719	707	707	707	706	716	718	721	729	725	723	722	723	719	0	19	15 737	12	36 700	37
2				732	730	727	728	729	729	732	734	728	721	720	710	707	715	718	724	729	724	716	704	700	700	710	743	721	1	23	27 749	21	15 695	54
3				728	721	726	718	718	721	720	715	715	716	719	724	731	734	732	732	729	722	718	716	713	724	715	719	722	0	14	46 736	21	02 712	24
4				722	731	723	724	727	730	730	727	722	726	726	723	730	737	737	723	724	722	720	710	718	723	727	732	726	0	13	52 739	19	25 698	41
5	✓			735	739	737	738	742	741	740	732	730	735	740	738	735	734	738	741	743	746	744	745	744	743	733	736	739	0	17	55 747	8	37 730	17
6	✓			740	742	756	759	762	764	757	754	750	739	732	734	738	737	734	737	738	732	734	738	741	740	739	743	743	0	5	07 767	10	32 728	39
7	✓			745	738	741	743	745	743	748	747	738	728	729	737	736	729	729	732	735	733	738	740	744	741	740	744	738	1	0	01 755	13	37 722	33
8				744	746	748	755	755	758	760	758	748	743	745	748	750	753	752	751	737	726	732	729	729	751	744	745	746	1	5	53 762	17	05 717	45
9	✓	✓		745	751	754	755	759	754	752	751	747	748	747	745	739	736	736	737	736	737	737	737	740	743	739	743	744	1	4	55 769	13	50 733	36
10				752	751	748	743	748	755	762	766	766	769	762	755	748	741	744	743	747	752	759	759	757	749	740	737	752	1	9	33 770	22	59 728	42
11				740	745	745	747	744	743	748	749	740	740	746	748	745	743	739	739	743	745	745	746	752	754	747	746	745	1	20	52 763	8	55 733	30
12				747	746	752	755	747	747	750	750	750	751	745	737	740	737	732	737	737	741	741	742	743	743	756	753	745	0	22	42 762	14	45 725	37
13				745	747	746	750	753	751	751	742	737	747	755	755	752	750	748	748	747	746	743	743	747	741	752	740	747	0	22	41 774	23	25 730	44
14				744	744	748	742	742	741	743	741	738	738	738	739	739	737	727	729	732	739	737	739	745	745	747	750	740	1	23	51 752	16	21 721	31
15				750	756	757	751	740	743	747	747	739	739	736	740	741	740	741	741	742	744	747	746	744	746	751	753	745	0	1	19 762	8	52 730	32
16	✓	✓		752	750	744	743	745	751	751	751	753	764	763	761	754	748	745	745	742	742	743	743	746	746	746	746	749	0	10	03 765	18	45 740	25
17	✓	✓		747	747	747	747	747	749	752	754	755	755	748	743	741	735	734	734	737	740	741	741	740	733	739	741	744	0	8	45 756	21	13 727	29
18				739	739	741	740	742	742	739	738	749	755	759	762	755	747	740	738	731	731	742	743	745	751	754	767	745	0	23	24 777	17	27 724	53
19	✓	✓		759	756	755	756	760	760	765	764	759	755	753	748	744	742	745	754	757	757	753	753	757	759	760	761	756	0	6	54 766	14	09 737	29
20				763	763	763	761	764	768	776	773	766	764	760	758	756	760	758	766	763	763	750	729	737	740	742	742	758	1	6	38 777	19	31 718	59
21	✓			745	744	774	751	745	748	749	745	749	756	759	756	746	733	730	743	743	745	741	735	740	741	746	752	746	0	2	37 793	14	00 724	69
22	✓	✓		747	748	747	748	751	751	748	747	739	736	737	736	738	734	735	738	736	738	742	742	743	745	748	752	743	0	23	05 757	13	35 732	25
23			✓	749	752	756	757	756	757	761	763	766	762	766	769	759	759	760	761	758	756	757	751	741	739	728	754	756	1	11	03 772	22	49 722	50
24			✓	738	738	746	749	743	728	719	732	710	725	725	702	676	689	693	681	680	681	683	685	704	704	693	707	710	1	3	47 751	12	18 669	82
25			✓	709	724	736	733	720	713	715	710	705	709	708	713	716	717	717	718	710	712	723	726	715	731	727	747	719	1	23	33 761	8	15 699	62
26			✓	726	727	733	734	736	728	733	733	724	721	708	686	706	703	698	693	688	695	688	693	737	743	734	727	716	1	21	10 760	11	13 671	89
27				726	741	727	732	737	729	723	715	721	724	727	727	734	737	737	734	724	719	722	719	729	734	743	732	729	1	1	16 747	17	14 702	45
28			✓	729	730	734	742	747	732	734	734	727	726	727	726	722	727	723	709	717	714	722	717	735	719	732	724	727	1	22	31 758	17	22 708	50
29				753	736	733	712	715	722	722	728	717	722	726	739	736	726	721	717	720	717	729	729	724	725	723	742	726	1	0	15 780	3	15 708	72
30	✓			742	738	737	727	729	729	729	729	731	739	748	748	744	744	737	738	741	730	731	736	737	729	732	731	736	0	0	00 755	21	44 725	30
31																																		
MEANS ALL DAYS				740	742	744	742	742	741	742	742	738	739	739	738	736	734	733	733	733	732	733	732	736	737	737	741	738						44
MEANS TEN DAYS ✲				746	745	749	747	748	749	749	747	745	746	746	745	742	737	736	740	741	740	740	741	743	742	742	745	744						33
MEANS FIVE DAYS † (G. M. T.)				750	750	751	750	751	754	758	753 759	751 760	752	750	747	743	739	739	742	742	743	743	743	745	745	746	749	748						
MEANS FIVE DAYS ‡ (G. M. T.)				730	733	735	732	730	724	722	724	726	729	727	719	716	719	718	712	711	712	715	714	726	727	723	732	723						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧍ = NO RECORD

TABLE 269

HORIZONTAL INTENSITY

23973 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1942

DECEMBER 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				732	736	739	744	735	735	735	734	743	755	758	758	753	747	742	738	738	734	737	737	738	739	749	745	742	0	11	05	758	0 59	729	29
2	✓			744	745	745	750	739	742	742	747	756	766	771	767	762	760	755	753	747	745	743	743	743	742	743	745	750	0	10	41	773	4 34	736	37
3				745	748	747	750	749	751	750	745	744	757	764	763	755	750	741	737	739	743	745	748	748	749	750	748	749	0	10	38	766	15 32	736	30
4				748	744	743	744	745	750	747	737	761	778	764	793	782	770	760	750	744	745	745	747	750	745	734	734	752	1	10	55	796	23 35	727	69
5	✓			743	744	748	746	746	746	748	749	748	746	741	740	746	753	751	750	749	749	748	748	749	749	749	754	748	0	23	47	758	0 00	734	24
6	✓			760	754	756	754	753	751	752	753	754	764	767	772	773	771	765	759	758	756	754	754	753	754	754	752	758	0	12	12	775	23 15	751	24
7				755	757	756	755	753	754	756	751	744	743	742	739	738	746	747	751	755	757	747	748	733	721	735	746	747	1	16	57	760	21 28	711	49
8				746	738	733	737	739	749	742	741	732	728	727	729	731	735	739	741	736	739	741	741	742	732	726	725	736	1	5	37	756	23 49	722	34
9			✓	727	726	731	738	751	754	754	756	743	740	733	735	737	743	748	747	745	745	754	754	765	758	797	760	748	1	22	37	808	1 35	723	85
10			✓	758	765	750	734	726	723	728	722	727	721	709	703	705	721	709	712	702	719	732	736	730	738	737	738	727	1	1	23	785	12 09	690	95
11				746	750	748	743	735	741	749	750	744	741	739	729	728	730	733	733	733	726	734	739	747	741	741	739	739	0	19	54	759	12 02	717	42
12				741	741	742	745	745	744	745	738	733	746	752	751	750	746	745	734	733	741	746	754	752	735	741	754	744	1	20	14	766	15 42	724	42
13	✓			751	752	751	750	747	746	747	746	741	747	749	748	747	740	734	733	737	739	743	747	748	748	747	751	745	0	23	52	757	15 18	731	26
14				746	745	745	745	744	745	748	747	748	756	761	760	760	760	762	757	749	7[illegible]7	738	745	745	746	746	748	749	0	12	57	767	17 25	731	36
15				750	754	749	745	745	748	751	753	751	753	754	754	758	757	756	758	755	753	752	755	756	758	764	764	754	0	23	29	768	3 17	743	25
16				767	771	766	766	770	769	763	755	754	761	768	763	757	747	740	738	736	739	748	751	755	752	755	755	756	0	4	40	773	17 05	733	40
17	✓	✓		760	757	751	751	750	752	755	754	754	757	759	758	756	759	753	749	748	753	757	758	758	755	759	759	755	0	0	54	766	16 18	746	20
18	✓	✓		756	753	753	753	754	757	754	756	762	769	769	769	767	762	757	762	765	765	765	765	765	763	764	765	761	0	10	25	772	6 30	752	20
19	✓	✓		767	769	769	768	765	768	769	765	762	762	757	751	747	748	748	746	752	756	762	762	765	767	767	767	761	0	1	28	771	15 43	744	27
20				766	767	769	769	772	775	777	771	764	764	767	763	761	760	761	762	759	760	758	758	759	760	758	758	764	0	6	34	781	12 45	756	25
21			✓	758	760	765	759	764	769	768	770	782	780	765	763	774	760	763	771	771	759	729	741	749	713	713	734	758	1	8	39	788	21 50	699	89
22				732	724	736	733	734	737	736	732	730	731	736	737	745	754	750	740	733	735	742	748	743	737	746	746	738	1	14	02	785	1 35	720	65
23			✓	742	745	749	748	747	749	754	753	748	751	749	749	758	759	757	737	737	742	707	709	716	687	682	714	737	1	14	03	769	22 04	668	101
24				717	749	724	714	714	709	708	699	690	700	722	732	742	745	739	730	721	723	726	729	726	732	741	726	723	1	1	17	760	8 54	691	69
25				722	726	731	728	732	734	729	734	738	729	732	737	743	742	737	736	730	728	727	725	728	736	732	730	732	0	12	40	745	17 21	719	26
26			✓	730	733	732	735	740	743	745	740	733	736	750	749	735	743	743	738	740	737	735	730	722	740	753	737	738	1	22	40	760	20 55	720	40
27				732	734	753	741	737	733	736	731	740	748	753	752	752	747	744	742	744	744	743	744	742	742	742	742	742	0	2	13	762	7 21	726	36
28				744	745	746	746	750	749	752	754	755	757	758	753	758	762	756	749	743	744	746	747	746	740	739	742	749	0	13	02	763	21 00	737	26
29	✓			744	750	748	747	747	747	752	756	757	763	766	773	773	772	767	758	758	754	752	746	742	738	740	746	754	0	11	56	774	21 22	735	39
30	✓	✓		753	753	748	747	748	750	753	751	746	745	743	746	748	750	750	750	748	747	747	748	748	750	750	751	749	0	0	58	759	10 12	741	18
31	✓	✓		750	751	752	752	751	753	756	753	745	745	752	755	762	763	757	753	749	751	751	752	754	755	755	753	753	0	13	05	765	9 03	742	23
MEANS ALL DAYS				746	748	748	746	746	748	748	747	746	750	751	751	752	752	749	746	744	744	744	745	746	743	745	746	747							42
MEANS TEN DAYS ✱				753	753	752	752	750	751	753	753	752	756	757	758	758	758	754	751	751	752	752	752	752	752	753	754	753							26
MEANS FIVE DAYS † (G. M. T.)				759	759	759	759	760	763	764	756 760	754 758	756	756	756	756	756	753	752	752	754	756	757	758	758	759	759	757							
MEANS FIVE DAYS ‡ (G. M. T.)				737	744	742	733	729	729	731	727	747	746	741	740	742	745	744	741	739	740	731	734	736	727	736	737	737							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 270

VERTICAL INTENSITY

50946 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1942 — JANUARY 1942

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		632	631	620	625	627	636	644	642	628	608	583	567	568	577	592	611	622	631	629	628	628	628	627	625	617	0	6	37	647	11	40	565	82
2				624	621	622	624	627	635	641	642	628	599	581	562	560	567	581	598	609	619	620	620	629	641	639	642	614	1	21	41	646	12	03	558	88
3			✓	642	626	619	604	620	626	633	636	631	611	591	595	590	602	615	635	639	643	646	645	634	634	646	633	625	1	22	37	656	10	31	582	74
4			✓	630	624	622	622	628	636	637	639	639	630	617	599	574	582	589	608	623	631	635	628	634	638	641	645	623	1	23	15	658	12	02	567	91
5			✓	643	637	625	621	619	610	621	627	634	626	610	589	581	585	594	603	618	634	645	642	631	633	635	636	621	1	19	15	663	12	29	579	84
6				637	634	620	613	624	628	627	626	632	634	629	616	606	602	595	596	609	618	631	629	632	637	639	638	623	0	22	55	645	14	29	593	52
7				638	634	615	623	625	626	627	635	638	635	625	614	597	587	577	583	595	609	626	636	640	634	633	631	620	0	19	59	647	14	20	574	73
8	✓			631	632	628	625	626	627	632	631	629	636	631	620	603	593	594	598	603	611	620	625	628	630	633	635	622	0	23	47	636	13	59	591	45
9				633	629	626	625	625	626	627	629	632	632	629	616	596	581	581	590	597	604	616	620	623	626	629	629	618	0	0	00	635	13	50	577	58
10				631	629	624	621	622	625	628	621	612	615	605	592	590	596	608	615	615	617	619	623	625	631	635	631	618	0	21	52	641	11	55	572	69
11				632	633	626	624	627	630	629	623	626	617	604	595	585	577	585	602	615	615	620	624	630	630	627	628	617	0	0	46	639	13	33	576	63
12				630	633	633	627	627	636	638	636	624	610	590	575	578	591	603	613	623	629	627	624	620	624	625	628	618	0	6	02	640	11	52	571	69
13				630	627	625	625	619	629	637	631	615	594	579	577	593	604	612	628	635	631	628	629	629	627	628	628	619	0	6	35	638	11	04	573	65
14				627	627	625	627	628	628	627	628	629	622	590	573	577	587	594	600	610	616	621	620	621	623	625	622	614	0	8	17	631	11	25	571	60
15				622	621	621	624	625	634	634	635	624	600	573	565	579	591	604	620	626	633	633	634	636	636	642	635	619	0	22	55	651	11	13	563	88
16				625	625	625	627	630	637	641	641	630	616	594	582	580	583	597	611	618	626	634	646	650	643	632	632	622	0	20	31	652	12	12	579	73
17			✓	631	631	627	628	626	634	641	640	640	613	589	572	574	588	608	624	639	651	661	655	650	646	646	643	627	0	18	23	664	11	36	567	97
18			✓	637	633	631	631	632	636	641	643	643	637	603	579	579	590	608	621	625	631	631	631	636	640	640	633	625	0	7	39	649	11	50	576	73
19				630	627	628	628	627	636	636	648	648	631	610	594	581	589	607	620	628	634	639	639	637	638	640	635	626	0	8	35	653	12	30	579	74
20	✓			632	630	628	628	628	632	638	645	650	638	610	581	574	570	579	600	619	628	632	634	632	633	633	632	621	0	8	18	651	13	29	568	83
21	✓	✓		632	628	628	626	628	632	635	638	641	637	626	621	613	596	587	599	615	625	627	628	631	632	633	632	625	0	8	33	642	14	24	586	56
22				631	629	628	628	628	632	637	646	654	645	619	600	584	581	587	596	612	624	625	628	634	645	651	652	625	0	22	40	657	12	56	578	79
23				643	638	635	632	631	633	640	642	634	625	617	609	604	594	595	607	624	630	635	638	639	642	647	651	629	0	22	54	652	13	47	589	63
24	✓	✓		642	639	636	635	634	635	636	638	636	635	630	614	604	606	611	617	624	627	629	629	631	634	634	636	629	0	0	03	646	12	22	603	43
25				636	636	634	632	631	631	623	620	618	628	634	634	636	629	627	629	631	634	639	640	637	630	636	635	632	0	19	37	644	8	17	617	27
26	✓	✓		635	637	635	635	637	638	643	638	634	625	623	622	623	615	612	614	625	631	634	634	632	631	632	634	630	0	6	40	647	14	06	609	38
27	✓			635	635	634	634	635	638	639	635	616	606	602	600	601	600	603	615	629	636	636	630	631	632	633	636	625	0	6	05	641	11	24	598	43
28				637	636	632	632	635	638	643	644	632	625	616	601	612	607	611	616	621	629	638	641	642	648	639	643	630	0	21	16	654	11	23	594	60
29	✓			633	630	630	631	627	637	646	644	640	627	616	611	612	614	621	625	630	634	634	636	635	635	633	632	630	0	6	33	647	11	44	608	39
30	✓			635	638	637	637	643	643	645	644	645	631	612	600	598	595	604	615	625	635	640	638	638	637	637	634	629	0	7	04	647	13	20	593	54
31	✓	✓		637	635	632	632	634	635	651	654	645	629	619	615	611	607	606	611	621	632	634	635	633	634	635	633	630	0	6	53	656	14	02	604	52
MEANS ALL DAYS				633	631	627	627	628	632	636	637	633	623	608	596	592	593	600	610	620	627	632	633	633	635	636	635	623								65
MEANS TEN DAYS ✻				634	634	631	631	632	635	641	641	636	627	615	605	601	597	601	610	621	629	632	632	632	633	633	633	626								54
MEANS FIVE DAYS † (G. M. T.)				633	632	631	631	631	636	638	642 639	637 633	627	616	608	604	600	602	610	621	629	631	631	631	632	632	632	626								
MEANS FIVE DAYS ‡ (G. M. T.)				635	631	625	623	626	629	632	637	637	623	602	587	580	589	603	618	629	638	644	640	637	638	642	638	624								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
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[ ] = APPROXIMATE, MAGNETIC STORM
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TABLE 271

VERTICAL INTENSITY

50946 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1942 — FEBRUARY 1942

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			637	638	636	636	636	643	651	654	649	630	607	595	592	589	593	602	617	631	636	633	634	638	643	643	628	0	7 28	656	13 42	588	68
2				639	635	634	633	639	640	650	658	640	623	602	595	595	598	608	619	633	647	657	644	647	648	660	636	632	1	18 09	674	10 50	591	83
3	✓			646	639	636	635	637	642	652	658	658	640	620	612	605	600	607	616	625	638	640	641	643	645	644	640	634	0	8 03	661	13 43	599	62
4	✓			637	634	633	634	635	638	647	654	656	634	611	603	600	601	606	616	634	643	645	639	643	644	644	644	632	0	8 00	661	12 52	597	64
5			✓	638	637	636	635	636	641	650	656	658	641	616	596	592	591	598	612	630	641	663	671	674	671	663	658	638	1	19 01	684	12 04	588	96
6			✓	654	641	629	641	641	648	660	668	664	647	609	600	605	617	620	625	636	640	653	680	660	657	642	630	640	1	19 20	713	12 02	592	121
7				644	653	648	639	618	634	646	653	654	638	617	601	598	595	607	621	638	645	657	641	637	643	641	640	634	0	18 16	664	13 33	592	72
8	✓	✓		640	637	638	638	640	645	654	661	659	647	619	607	598	597	605	621	631	633	633	635	637	638	640	641	633	0	7 12	664	13 27	594	70
9	✓	✓		643	640	639	637	638	641	647	656	666	654	608	577	574	581	591	605	625	643	647	646	646	647	645	645	631	0	8 56	669	11 59	570	99
10				640	637	637	637	638	641	649	654	650	640	619	600	593	594	599	608	621	631	635	635	643	647	636	637	630	0	21 07	663	12 28	591	72
11				633	634	638	638	638	641	649	647	647	638	614	600	596	602	611	621	632	639	642	643	647	639	638	640	632	0	20 43	655	12 04	594	61
12	✓	✓		643	640	638	641	641	641	642	648	644	633	607	601	601	608	614	630	641	644	638	636	636	636	636	637	632	0	7 37	650	12 04	598	52
13	✓			637	637	636	636	639	643	652	660	656	636	614	594	588	591	600	621	637	642	638	636	637	640	639	636	631	0	7 50	663	12 15	587	76
14				636	636	636	637	640	646	657	663	664	625	612	594	579	578	589	603	625	635	637	637	639	641	647	651	629	0	8 00	668	12 53	576	92
15				636	634	633	633	637	638	652	664	656	632	616	599	591	596	610	623	642	652	651	646	658	652	643	640	635	0	7 43	668	13 11	589	79
16				639	640	629	632	637	645	651	660	663	649	617	591	577	583	597	617	637	647	650	649	646	648	655	648	634	0	8 10	666	12 45	575	91
17				640	635	635	635	638	639	642	661	671	666	638	602	579	569	579	599	622	641	651	644	642	644	642	641	631	0	8 04	672	13 33	567	105
18	✓	✓		639	637	635	633	635	637	646	656	660	648	621	592	579	579	586	606	628	643	644	641	642	643	642	641	630	0	9 07	662	12 43	576	86
19	✓	✓		639	638	635	633	632	635	643	654	662	652	632	609	590	583	583	590	605	623	631	629	632	635	639	641	627	0	8 13	663	14 03	580	83
20				638	636	633	630	630	632	639	652	664	662	649	625	592	580	586	599	619	634	640	643	644	643	643	650	632	0	8 53	666	13 40	576	90
21				646	636	637	635	635	634	639	650	650	649	632	610	596	594	604	617	634	646	643	641	641	644	645	646	634	0	9 46	653	12 34	591	62
22				644	643	638	637	637	639	644	656	660	649	624	594	584	587	597	614	627	642	643	641	643	642	640	642	632	0	8 01	663	12 26	584	79
23			✓	644	646	644	634	631	641	645	648	653	653	646	620	599	596	604	617	637	645	644	643	643	650	669	692	639	1	23 48	701	13 20	594	107
24			✓	680	650	653	653	640	597	627	643	656	652	631	613	604	597	604	615	642	655	641	643	649	650	651	657	638	1	0 40	689	5 40	584	105
25				651	649	649	647	644	644	652	656	662	656	643	628	608	597	598	614	632	641	648	644	646	644	647	651	640	0	8 13	664	13 50	593	71
26	✓			647	641	643	644	627	643	651	647	665	659	632	603	589	588	597	612	629	640	645	645	646	645	645	645	634	0	8 41	668	13 10	586	82
27				644	644	644	642	644	646	648	662	668	659	638	607	583	576	582	599	619	637	647	646	644	644	643	639	634	0	8 40	669	13 30	573	96
28			✓	640	642	638	640	634	643	647	648	651	653	642	618	598	588	596	611	631	633	641	648	647	648	661	688	637	1	23 10	692	13 37	586	106
29																																		
30																																		
31																																		
MEANS ALL DAYS				643	640	638	637	636	639	648	655	657	645	623	603	592	591	599	613	630	640	644	644	644	645	646	646	633						83
MEANS TEN DAYS ✻				641	638	637	637	636	641	648	655	658	643	617	599	592	592	598	612	627	638	640	638	640	641	642	641	631						74
MEANS FIVE DAYS (G. M. T.) †				639	638	636	635	635	638	646	655 655	658 660	647	617	597	588	590	596	610	626	637	639	637	639	640	640	641	630						
MEANS FIVE DAYS (G. M. T.) ‡				661	647	643	644	636	634	648	657	656	649	629	609	600	598	604	616	635	643	648	657	655	655	657	665	639						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 272

VERTICAL INTENSITY

50946 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1942 — MARCH 1942

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM (H M)	MAXIMUM	MINIMUM (H M)	MINIMUM	RANGE
1			✓	676	643	638	638	638	645	654	663	667	658	634	609	585	576	585	631	608	596	673	667	683	719	703	686	645	2	21 27	746	17 38	548	198
2			✓	683	669	653	640	594	658	666	676	610	629	672	631	608	612	624	637	654	659	655	659	662	657	660	658	647	1	1 00	694	4 10	570	124
3			✓	648	651	640	634	641	648	656	661	680	683	663	634	608	596	590	606	642	658	679	672	679	679	669	681	650	1	21 05	698	14 28	584	114
4				675	656	636	634	637	645	648	661	677	671	654	632	611	602	603	626	637	653	663	656	658	656	653	650	646	1	8 34	680	14 47	591	89
5			✓	646	626	639	645	642	645	651	659	668	661	636	613	589	586	597	606	625	645	657	656	659	657	656	646	638	1	8 40	671	13 09	579	92
6				661	691	671	635	624	627	632	647	651	652	643	628	601	598	604	617	643	659	665	657	658	661	653	647	643	1	1 24	715	13 00	594	121
7				650	648	646	644	644	646	650	654	664	661	646	621	593	546	550	580	612	637	651	666	651	654	648	642	634	1	19 18	681	13 58	537	144
8			✓	640	636	638	639	635	642	648	655	668	663	658	635	621	614	618	627	638	645	659	664	658	649	653	652	644	1	8 14	688	13 49	610	78
9				651	652	644	636	626	621	626	645	652	649	645	631	615	621	626	641	645	647	672	661	662	658	656	655	643	1	20 19	665	12 18	608	57
10				651	647	645	639	636	635	633	643	666	668	661	645	632	627	622	626	637	646	649	655	649	645	650	651	644	0	8 52	674	14 51	620	54
11	✓			645	646	647	643	643	643	646	650	657	653	641	626	611	605	607	618	635	646	649	650	647	647	649	648	640	0	8 54	662	14 00	603	59
12	✓	✓		648	646	645	645	645	646	647	652	660	661	650	634	625	601	598	607	621	635	644	644	644	645	647	646	639	0	19 01	664	14 20	596	68
13				644	644	644	644	643	645	650	653	660	654	644	624	614	608	608	614	629	651	670	675	690	688	672	654	647	1	20 36	701	13 50	605	96
14				647	647	649	641	644	650	645	655	662	655	636	619	610	606	611	632	650	652	655	673	673	659	654	634	644	1	19 50	695	13 35	600	95
15	✓			647	646	643	644	646	648	649	647	646	643	629	615	608	611	614	617	627	641	649	651	652	664	651	641	639	0	21 31	680	12 41	607	73
16	✓	✓		641	643	640	644	644	646	650	657	659	653	636	621	605	595	599	614	632	641	645	648	649	649	648	646	638	0	8 17	660	13 50	589	71
17	✓			644	644	641	641	643	646	649	655	661	660	641	621	601	590	597	613	632	645	647	650	649	650	650	647	638	0	8 30	663	13 40	589	74
18				644	640	637	641	638	637	644	650	656	655	647	627	614	611	613	621	628	637	647	650	654	660	659	661	640	0	24 00	678	13 42	610	68
19				669	654	646	636	632	630	643	648	659	657	641	625	615	611	610	611	618	628	641	645	651	657	657	663	639	0	0 07	680	14 02	607	73
20				663	663	647	637	642	635	637	633	644	653	640	631	615	613	611	626	643	646	651	653	653	655	653	652	642	0	1 01	675	13 09	611	64
21				649	647	642	642	643	648	653	661	668	666	646	616	591	587	603	625	652	668	682	675	672	668	662	659	647	1	18 01	691	13 15	585	106
22				648	642	648	644	639	642	649	650	653	651	647	634	623	619	622	632	640	649	662	656	656	650	653	652	644	0	18 36	673	13 22	617	56
23				652	649	640	643	647	646	648	653	659	657	643	622	609	605	609	614	628	639	646	649	649	650	650	658	640	0	23 41	669	13 13	603	66
24	✓			653	649	648	647	633	639	642	649	653	651	637	616	597	591	598	610	628	646	646	642	642	646	649	646	636	0	8 41	658	13 35	591	67
25	✓	✓		648	645	643	642	642	643	646	650	655	652	641	622	602	594	596	608	626	639	648	648	648	647	646	645	636	0	8 07	658	13 44	592	66
26				644	643	643	644	644	644	647	653	657	651	637	615	598	591	590	600	618	650	684	649	653	657	671	646	639	1	18 25	704	14 47	578	126
27	✓	✓		648	650	639	640	643	645	650	649	645	644	631	616	604	608	613	625	639	645	648	648	647	647	648	645	638	0	0 49	670	12 22	602	68
28	✓	✓		644	644	643	640	640	639	647	653	654	650	641	626	615	609	611	618	629	639	644	645	645	647	645	643	638	0	8 00	655	13 12	607	48
29				642	641	641	641	641	642	642	647	650	641	631	621	611	603	606	619	629	645	652	652	657	659	669	655	639	0	22 27	689	13 40	599	90
30				643	643	645	645	643	647	650	654	656	644	630	616	603	599	612	625	634	643	647	648	648	650	660	655	639	0	22 30	665	13 38	595	70
31	✓			654	642	651	642	644	645	647	653	657	651	641	628	615	618	621	628	637	643	646	647	648	650	649	647	642	0	1 59	662	12 32	608	54
MEANS, ALL DAYS				652	648	644	641	639	643	647	653	657	655	643	624	608	602	605	619	633	644	656	655	656	657	656	652	641						85
MEANS TEN DAYS ✲				647	646	644	643	642	644	647	652	655	652	639	622	608	602	605	616	631	642	647	647	647	649	648	645	638						65
MEANS FIVE DAYS † (G. M. T.)				644	643	642	642	642	643	647	652 652	655 656	652	640	624	610	601	603	614	629	640	646	647	647	647	647	645	638						
MEANS FIVE DAYS ‡ (G. M. T.)				664	664	649	636	624	640	646	658	659	659	653	624	602	597	603	621	633	641	665	664	668	672	668	665	645						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = ND RECORD

TABLE 273

VERTICAL INTENSITY

50946 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1942 — APRIL 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				643	642	640	641	639	642	648	654	650	642	632	618	598	589	596	611	627	636	641	643	644	647	649	647	634	0	7	43	670	13 10	588	82
2				644	642	640	640	640	641	643	649	653	647	634	619	604	597	605	612	627	640	652	665	683	697	675	671	642	1	21	36	715	13 23	594	121
3			✓	673	668	659	645	647	637	646	650	644	644	629	620	621	618	619	629	639	652	662	669	665	669	662	655	647	1	0	29	684	13 10	615	69
4			✓	645	644	644	641	644	639	628	646	654	657	651	642	634	615	626	651	643	651	687	713	681	670	663	693	653	1	19	11	741	13 30	612	129
5				690	644	643	651	621	638	646	651	656	660	657	644	630	623	629	637	646	660	657	653	659	663	661	656	649	0	0	23	714	4 23	615	99
6	✓			652	643	647	646	647	647	650	658	668	665	657	645	630	626	629	634	642	649	652	651	652	654	652	652	648	0	8	38	669	13 08	625	44
7	✓	✓		651	649	648	646	645	645	648	654	659	655	648	638	628	621	625	631	640	644	647	647	650	649	650	647	644	0	8	19	661	13 36	621	40
8				647	646	645	644	643	643	642	645	655	652	640	631	618	623	620	634	647	658	660	657	654	654	659	650	644	1	22	25	664	12 14	612	52
9				654	638	637	646	646	647	647	651	656	653	650	637	621	620	628	638	644	646	647	656	644	651	640	640	643	0	21	36	669	13 25	618	51
10	✓			641	644	644	644	643	641	644	651	655	654	647	637	627	624	624	631	637	644	647	647	647	647	647	646	642	0	8	34	658	14 00	623	35
11			✓	644	643	641	642	643	643	643	645	657	660	643	640	643	646	637	635	660	675	662	679	702	680	696	672	655	1	20	20	720	15 58	632	88
12	✓			659	656	653	654	653	654	657	659	658	653	647	643	636	632	637	643	648	654	656	658	659	657	656	656	652	0	0	00	664	13 12	631	33
13				655	654	652	650	652	653	658	661	664	658	643	629	623	623	634	642	646	647	651	653	653	658	683	667	650	1	22	18	699	13 22	622	77
14				662	646	633	644	641	640	641	646	650	650	641	627	618	622	632	641	646	645	653	655	655	655	653	650	644	1	0	20	671	13 00	610	61
15	✓			650	647	647	649	650	652	657	663	668	661	643	627	623	627	633	642	649	651	653	655	659	657	653	652	649	0	8	24	672	12 57	623	49
16				649	647	645	644	650	650	653	660	665	665	649	628	610	611	627	638	657	657	654	659	662	662	659	656	648	0	8	40	673	12 52	608	65
17			✓	654	650	647	643	633	629	637	639	656	656	642	643	640	632	641	662	657	671	691	664	665	666	676	668	653	1	18	23	723	13 25	630	93
18			✓	659	646	643	640	640	646	649	652	659	655	654	647	632	629	634	646	649	660	676	672	679	668	662	672	653	1	22	56	699	12 54	623	76
19				655	650	640	641	646	648	651	653	658	654	641	632	632	626	632	640	645	658	665	658	664	663	660	657	649	0	21	02	675	13 12	625	50
20				654	654	648	641	647	651	654	659	666	671	661	643	628	616	616	627	639	649	652	656	672	667	660	658	650	0	20	31	677	13 55	614	63
21	✓	✓		649	649	650	649	646	649	653	659	668	668	653	630	608	602	609	628	639	646	649	652	654	655	655	655	645	0	8	57	671	13 32	603	68
22	✓	✓		653	649	650	648	650	651	652	658	664	661	643	621	606	610	622	632	641	645	648	649	651	647	648	648	644	0	8	35	665	12 50	606	59
23				648	647	645	641	644	644	644	648	654	652	644	629	608	605	615	620	621	633	643	653	672	673	666	666	642	1	20	50	694	13 20	602	92
24				654	637	646	646	650	650	651	652	658	654	648	635	627	628	633	640	648	651	657	656	656	656	657	651	648	0	0	03	669	1 26	620	49
25	✓	✓		650	648	649	648	648	647	648	648	653	652	647	642	632	628	634	640	648	652	654	655	655	654	654	654	648	0	20	50	656	13 18	627	29
26	✓	✓		654	654	653	653	652	652	652	654	660	663	661	650	638	633	634	637	643	652	655	654	656	654	655	655	651	0	9	40	667	14 08	633	34
27				652	651	652	651	651	651	651	651	658	660	653	647	640	635	634	637	644	649	652	655	659	657	659	661	650	0	24	00	672	13 53	632	40
28				668	671	671	662	648	647	651	653	638	652	645	636	637	627	634	643	652	654	659	660	662	663	667	656	652	0	22	22	678	13 05	627	51
29	✓			652	650	651	653	653	656	653	656	661	659	653	660	626	623	632	642	649	657	658	660	659	659	657	655	651	0	7	59	667	12 50	622	45
30				651	650	649	649	651	652	655	661	668	667	656	639	621	618	625	628	638	647	650	655	664	670	668	667	650	0	21	10	675	13 01	616	59
31																																			
MEANS ALL DAYS				654	649	647	646	645	646	648	653	658	657	647	636	625	621	627	636	644	651	656	659	661	661	660	658	648							63
MEANS TEN DAYS ✱				651	649	649	649	649	649	651	656	661	659	650	639	625	623	628	636	644	649	652	653	654	653	653	652	647							44
MEANS FIVE DAYS † (G. M. T.)				651	649	649	647	648	648	648	655 651	661 658	660	650	636	622	619	625	634	642	648	651	651	653	652	652	652	646							
MEANS FIVE DAYS ‡ (G. M. T.)				662	648	645	645	641	645	646	652	654	654	644	638	634	628	631	645	650	662	676	679	678	671	672	672	653							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
▲ = NO RECORD

TABLE 274

VERTICAL INTENSITY

50945 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1942 — MAY 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)		MINIMUM (H M)		RANGE
1				662	654	643	649	643	647	649	650	660	655	645	639	633	630	643	653	662	665	667	669	669	664	663	663	653	0	19 54	682	13 09	624	58
2				653	649	647	649	650	650	654	663	672	673	663	646	629	626	632	639	645	651	668	670	675	675	678	672	655	0	23 02	685	13 29	623	62
3				662	649	645	643	639	645	649	651	659	655	652	649	642	643	639	636	644	654	657	665	662	660	658	656	651	0	19 20	668	4 30	635	33
4			✓	653	651	649	649	648	649	648	652	659	665	659	643	628	625	629	637	644	650	652	655	655	657	660	664	649	0	23 54	669	13 30	624	45
5			✓	667	650	634	640	617	634	632	639	647	643	655	656	646	641	646	650	656	666	670	668	667	667	661	657	650	0	17 52	676	4 14	608	68
6				654	654	651	649	650	650	647	650	654	658	658	655	647	637	630	633	643	653	656	663	665	659	656	661	651	0	20 03	669	14 30	629	40
7	✓			653	654	651	648	648	648	648	651	659	660	655	645	638	636	635	640	650	651	654	660	654	654	653	660	650	0	19 46	667	14 21	634	33
8	✓			650	649	648	649	646	647	647	649	657	661	653	646	641	638	638	640	646	652	652	654	655	655	654	653	649	0	9 24	662	13 56	636	26
9	✓	✓		651	647	647	647	646	645	646	648	653	653	646	638	629	627	631	635	643	651	652	652	652	651	650	650	645	0	8 35	654	13 39	626	28
10				647	647	648	648	647	649	646	648	655	656	650	641	632	629	633	643	642	649	650	650	652	652	650	645	646	0	9 44	658	13 26	626	32
11				644	643	644	644	644	641	640	650	651	653	646	630	624	621	629	632	641	649	650	652	652	652	650	648	643	0	8 18	656	13 10	620	36
12	✓	✓		646	646	645	647	648	648	648	649	655	657	650	640	630	628	633	636	644	650	650	651	652	651	650	649	646	0	9 03	658	13 02	627	31
13	✓	✓		647	648	650	648	650	651	653	654	660	661	653	644	634	631	631	635	645	653	653	653	653	653	653	650	648	0	9 18	663	13 52	628	35
14			✓	648	645	645	645	646	647	648	652	655	653	638	625	619	621	632	647	668	666	677	672	669	666	666	660	650	1	18 06	681	13 03	609	72
15				651	648	648	648	650	652	654	658	664	663	653	637	630	630	639	649	654	659	661	659	659	658	655	652	651	0	8 45	665	13 04	620	45
16				650	648	646	650	642	653	655	657	663	659	652	641	636	636	634	639	647	652	655	655	657	655	652	650	649	0	8 27	665	14 20	633	32
17	✓			648	647	647	639	648	648	649	650	656	659	652	643	636	633	636	638	645	650	651	652	652	654	653	652	647	0	9 32	659	3 28	628	31
18				650	646	643	644	646	646	646	648	654	654	651	641	637	634	635	638	643	650	654	654	654	655	654	651	647	0	18 55	657	13 38	633	24
19	✓			650	647	647	646	646	644	644	644	649	653	651	646	637	632	630	633	644	650	650	652	654	655	655	652	646	0	22 05	656	14 08	628	28
20				650	648	644	642	642	646	644	644	650	654	650	643	636	634	632	634	639	647	649	649	652	653	653	652	645	0	9 34	655	14 52	631	24
21				643	650	644	645	645	643	641	639	649	654	652	650	646	641	629	631	641	648	648	651	652	654	657	661	646	0	23 03	664	14 57	628	36
22				653	648	647	644	647	648	646	646	656	660	656	649	642	635	627	639	658	657	655	654	655	657	656	656	650	0	17 00	662	14 19	621	41
23				657	661	660	656	643	647	649	653	656	654	652	648	639	638	636	641	648	653	654	651	652	653	655	653	650	0	3 09	667	4 35	633	34
24				650	648	648	647	649	645	645	645	650	654	656	650	638	639	634	637	647	654	653	653	655	655	655	659	649	0	23 10	660	14 23	633	27
25	✓			652	649	652	649	646	649	648	648	641	645	642	636	629	630	629	634	645	650	651	651	651	650	650	648	645	0	18 40	653	14 27	627	26
26	✓	✓		646	646	646	646	647	647	646	646	648	647	641	634	631	630	626	631	641	647	648	650	650	650	649	646	643	0	21 46	653	14 18	624	29
27			✓	645	644	643	643	644	646	643	643	646	646	638	630	626	624	626	629	635	642	645	659	662	659	669	652	643	1	22 17	687	13 02	623	64
28			✓	657	642	634	628	631	643	640	641	641	644	644	638	634	638	641	650	656	661	659	660	670	674	658	650	647	0	21 26	686	2 56	622	64
29				652	648	646	648	648	652	651	649	658	659	660	652	648	646	641	645	654	657	657	659	657	656	654	651	652	0	10 13	662	14 18	641	21
30				647	646	644	646	649	650	650	650	654	659	652	644	642	644	641	642	646	652	652	659	657	655	653	653	649	0	9 33	661	15 02	639	22
31	✓	✓		648	645	645	643	641	647	648	646	651	658	658	649	645	640	635	635	642	649	652	654	654	654	654	651	648	0	10 09	660	14 36	634	26
MEANS ALL DAYS				651	648	646	646	645	647	647	649	654	656	651	643	636	633	634	639	647	653	655	657	657	657	656	654	648						38
MEANS TEN DAYS ✲				649	648	648	646	647	647	648	648	653	655	650	642	635	632	632	636	644	650	651	653	653	653	652	651	647						29
MEANS FIVE DAYS † (G. M. T.)				647	645	645	645	646	647	647	649 648	653 653	655	650	641	634	631	631	634	643	650	651	652	652	652	651	649	646						
MEANS FIVE DAYS ‡ (G. M. T.)				656	648	643	643	639	646	645	647	650	650	647	638	631	630	635	643	652	657	661	663	665	665	663	657	649						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 275

VERTICAL INTENSITY

50945 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1942 — JUNE 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			647	643	641	641	641	641	644	644	647	653	653	644	638	630	625	628	640	646	646	647	649	650	648	645	643	0	9	55	654	14 08	625	29
2	✓	✓		643	642	640	639	636	637	639	639	645	649	647	639	636	639	636	637	641	645	646	647	649	649	649	647	642	0	21	50	650	4 40	635	15
3				643	641	639	639	639	639	639	636	642	645	644	641	635	632	629	629	636	640	639	643	649	653	656	659	641	0	23	59	663	14 40	626	37
4	✓			649	641	644	640	638	637	634	635	640	647	650	648	646	646	644	638	641	644	643	643	643	644	645	645	643	0	0	00	663	6 11	631	32
5				642	642	641	636	640	639	639	635	636	640	642	632	629	630	632	638	645	648	648	651	649	648	649	649	641	0	23	33	653	12 37	626	27
6				641	638	638	637	637	636	635	633	635	641	641	641	638	640	639	640	638	641	646	648	647	648	645	644	640	0	20	10	653	8 00	631	22
7	✓	✓		642	640	640	640	640	639	637	634	636	639	639	634	634	634	637	640	644	647	649	647	646	645	643	641	640	0	18	09	649	12 16	632	17
8	✓			640	640	639	639	639	639	637	635	640	643	643	639	634	628	620	626	639	643	643	643	646	646	644	641	639	0	21	16	648	14 38	618	30
9	✓	✓		642	642	640	640	641	642	639	637	640	644	644	636	631	630	630	634	640	643	643	644	643	642	639	638	639	0	10	27	646	14 30	628	18
10	✓	✓		637	636	636	637	638	638	638	638	642	645	644	639	636	635	631	632	638	642	642	642	642	641	639	638	639	0	9	43	646	14 53	630	16
11			✓	637	636	636	635	635	636	636	635	636	642	642	636	632	624	626	629	636	639	643	648	648	653	662	657	639	1	23	49	687	13 49	619	68
12				654	650	643	622	628	638	638	635	638	649	652	650	644	638	635	635	640	647	658	656	656	653	653	649	644	1	18	32	670	3 52	613	57
13			✓	640	634	634	632	631	638	639	639	645	648	644	642	638	634	630	633	646	655	652	644	644	644	645	644	641	1	18	10	662	2 17	624	38
14				637	641	644	635	625	640	637	634	635	645	640	638	642	637	639	631	639	651	652	650	652	652	645	646	641	1	21	08	676	4 35	614	62
15	✓			637	639	637	628	638	639	640	640	642	644	642	642	642	639	637	634	641	649	651	650	650	649	648	646	642	0	18	33	653	3 20	619	34
16				643	641	640	638	639	641	641	640	644	646	647	644	638	634	627	629	639	646	646	649	650	650	650	643	642	0	22	29	652	14 39	625	27
17				640	638	638	636	638	638	637	636	641	644	642	637	637	638	633	628	640	643	653	651	653	653	652	650	642	0	20	53	661	15 42	627	34
18				649	646	641	639	638	638	636	636	641	641	643	642	644	639	636	638	640	648	646	649	649	649	650	648	643	0	0	10	651	14 51	633	18
19			✓	648	644	642	641	639	640	639	637	644	647	647	640	639	636	633	631	635	639	639	643	654	657	671	657	643	1	22	43	686	15 04	629	57
20				649	651	655	648	642	627	629	633	636	640	641	643	640	637	636	634	640	651	649	653	659	656	658	654	644	0	1	42	665	5 55	617	48
21	✓			648	646	646	645	640	639	639	638	641	644	643	638	637	635	632	635	641	646	646	647	647	649	649	647	642	0	22	13	650	14 01	631	19
22	✓	✓		645	644	643	642	641	640	640	639	645	649	650	644	639	637	638	641	644	648	647	650	651	648	647	648	644	0	20	50	650	13 55	635	15
23				646	643	642	642	639	639	637	637	642	646	643	633	630	628	627	633	636	645	645	646	645	643	642	640	640	0	19	07	648	14 20	626	22
24				645	646	646	642	639	639	639	639	640	639	638	639	642	637	634	638	649	650	649	649	648	646	649	643	643	0	16	50	652	14 39	633	19
25				642	639	639	640	640	641	640	637	636	642	644	645	641	640	636	636	643	649	649	649	648	645	644	645	642	0	17	23	649	7 31	634	15
26				640	638	640	639	639	642	644	644	646	645	642	637	634	631	630	634	643	646	648	647	647	646	649	643	641	0	22	35	653	14 33	629	24
27				642	634	637	638	639	640	642	640	647	652	650	645	639	630	627	633	641	645	646	646	646	645	645	644	641	0	9	27	654	14 07	627	27
28				639	636	636	637	638	642	642	641	646	649	643	634	642	622	620	628	640	645	649	651	653	655	658	666	642	0	23	06	670	14 03	617	53
29			✓	658	636	629	627	630	634	632	637	643	642	649	645	643	636	637	642	645	648	649	651	655	650	646	643	642	1	0	38	667	3 44	624	43
30			✓	638	631	640	638	634	635	637	638	646	646	647	641	644	637	631	638	646	649	645	652	652	650	656	647	642	0	20	19	659	1 50	616	43
31																																		
MEANS ALL DAYS				643	641	640	638	637	638	638	637	641	645	645	640	638	634	632	634	641	646	647	648	649	649	649	647	642							32
MEANS TEN DAYS ✲				643	641	641	639	639	639	639	638	642	646	646	640	637	635	633	634	641	645	646	646	647	646	645	644	641							22
MEANS FIVE DAYS † (G. M. T.)				641	639	638	638	638	638	637	637 636	642 640	645	645	638	635	635	634	637	641	645	645	646	646	645	643	642	641							
MEANS FIVE DAYS ‡ (G. M. T.)				645	643	643	635	633	635	635	636	643	645	646	641	639	633	631	635	642	646	646	648	651	651	656	650	642							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌋ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⚠ = NO RECORD

TABLE 276

VERTICAL INTENSITY

50945 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1942 — JULY 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				646	640	632	632	636	637	635	639	641	648	647	642	629	630	638	635	648	660	658	655	651	651	651	646	643	1	17 44	665	12 54	623	42
2	✓	✓		641	639	635	634	636	635	641	640	643	646	646	646	640	633	631	633	638	642	642	645	646	648	648	647	641	0	21 20	650	14 59	629	21
3	✓	✓		645	642	640	637	634	634	636	634	640	649	652	648	634	624	621	627	636	642	642	642	643	645	645	645	639	0	10 24	653	14 36	618	35
4	✓	✓		643	640	639	639	637	637	637	636	642	652	655	645	632	627	624	627	633	642	642	643	644	644	642	641	639	0	10 32	658	13 48	623	35
5	✓	✓		641	640	639	638	638	638	638	635	641	648	648	638	629	621	620	629	637	641	641	641	646	649	648	642	639	0	21 33	652	13 57	617	35
6	✓			640	639	637	638	635	636	636	635	639	642	645	638	637	633	627	630	637	643	640	640	640	639	638	639	638	0	10 09	646	13 57	626	20
7	✓			642	640	638	637	639	640	640	634	637	642	642	634	630	633	633	641	641	642	644	644	645	645	641	641	639	0	21 03	649	12 14	629	20
8			✓	639	639	637	635	641	639	638	635	642	633	635	636	628	628	631	636	648	673	688	663	663	667	658	641	645	1	18 13	703	12 46	623	80
9				641	642	649	635	636	639	638	640	640	642	654	649	646	642	641	643	648	652	652	651	651	650	650	642	645	1	10 40	661	3 27	625	36
10				644	638	646	644	644	644	642	641	645	652	644	637	633	631	634	635	643	648	647	646	646	646	644	643	642	0	9 20	655	13 25	627	28
11			✓	641	638	639	640	639	643	642	638	643	642	651	642	627	623	619	637	658	668	682	678	685	698	680	681	651	1	21 34	712	13 04	614	98
12				660	639	641	635	628	631	644	646	647	647	647	644	643	643	640	634	639	651	672	675	655	648	645	644	646	1	18 57	700	4 43	616	84
13				640	638	637	633	636	640	642	640	644	649	649	643	631	628	631	630	638	644	647	649	650	649	648	649	641	0	10 28	653	15 16	625	28
14				646	642	639	637	639	639	637	636	639	639	637	633	628	627	630	630	637	644	645	648	651	652	652	647	640	0	23 10	655	13 09	624	31
15			✓	645	638	635	636	632	637	641	635	635	641	638	629	629	623	628	627	641	658	641	644	650	657	657	647	639	1	22 10	680	13 26	619	61
16				647	625	634	635	623	626	635	632	629	625	635	638	637	635	635	629	636	651	646	652	653	656	652	645	638	0	21 34	666	4 58	596	70
17				645	643	641	639	638	633	626	628	641	648	646	643	640	634	627	624	635	639	643	655	643	645	646	646	640	0	19 08	665	7 03	617	48
18	✓			645	642	638	637	636	636	634	632	636	641	643	636	636	630	624	627	636	639	641	647	645	646	645	645	638	0	19 26	661	14 49	623	38
19	✓	✓		642	639	637	636	635	635	635	633	641	645	644	638	630	625	625	631	632	635	638	640	644	649	652	648	638	0	22 30	655	13 13	622	33
20			✓	642	638	635	635	635	635	632	631	633	637	638	637	637	632	630	619	625	636	642	664	657	655	655	645	639	1	19 37	672	15 40	614	58
21				638	638	634	633	628	632	635	633	637	634	637	636	624	626	633	640	649	647	646	643	640	642	647	645	637	0	22 50	652	12 14	622	30
22	✓			640	639	638	635	634	636	635	633	636	637	633	617	612	617	624	633	641	643	645	646	649	640	640	639	635	0	20 48	661	12 07	610	51
23	✓			637	635	636	637	637	636	635	631	638	639	636	626	612	612	614	629	638	641	640	639	639	639	638	640	634	0	17 26	644	14 00	612	32
24				635	635	625	637	638	640	637	637	639	641	634	620	607	611	619	627	634	639	639	639	639	638	638	638	633	0	23 17	648	12 33	601	47
25				632	629	632	624	638	632	632	629	635	638	637	628	609	606	618	623	637	647	651	680	658	667	645	639	636	1	19 33	712	13 41	601	111
26				633	631	634	614	637	634	634	636	640	648	643	630	621	621	621	624	631	640	640	642	645	649	641	636	634	0	21 12	653	3 24	608	45
27			✓	632	629	626	627	630	627	619	627	634	652	653	642	635	623	617	629	632	639	649	651	666	653	646	644	637	1	20 05	683	6 26	608	75
28				648	630	618	639	628	630	639	637	649	661	657	648	648	655	639	637	641	651	663	657	658	645	645	645	644	0	18 08	672	2 08	598	74
29				644	645	642	636	633	640	641	644	654	660	654	648	643	637	640	638	643	648	650	651	652	652	651	650	646	0	9 05	664	4 28	628	36
30				640	639	640	639	639	643	643	643	645	654	655	644	628	624	624	629	641	651	652	650	651	660	645	643	643	0	21 20	672	14 26	622	50
31				642	640	634	638	639	641	640	641	658	663	651	626	615	616	624	631	641	649	647	648	655	652	651	643	641	0	9 13	665	13 12	612	53
MEANS ALL DAYS				642	638	636	635	635	636	637	636	641	645	645	637	630	627	628	631	639	647	649	651	650	651	648	645	640						49
MEANS TEN DAYS ✲				642	640	638	637	636	636	637	634	639	644	644	637	629	626	624	631	637	641	642	643	644	644	644	643	638						32
MEANS FIVE DAYS † (G. M. T.)				642	640	638	637	636	636	636	636 634	641 639	648	649	643	633	626	624	629	635	640	641	642	645	647	647	645	639						
MEANS FIVE DAYS ‡ (G. M. T.)				647	635	635	635	629	632	638	638	637	641	643	637	631	626	625	630	641	655	660	660	664	666	659	652	642						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 277

VERTICAL INTENSITY

50945 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1942

AUGUST 1942

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			643	642	644	638	638	638	638	640	648	655	652	641	635	631	628	631	641	645	645	646	648	648	648	647	642	0	9 57	658	14 55	627	31
2	✓			645	645	643	641	638	637	638	638	645	652	654	640	632	627	625	628	635	638	639	641	644	646	651	649	640	0	10 06	657	14 39	624	33
3				645	641	641	639	638	639	636	638	643	648	652	652	642	635	628	625	634	642	643	645	645	648	652	650	642	0	11 05	655	15 24	624	31
4	✓	✓		640	642	641	637	639	639	637	637	644	649	649	643	634	627	628	632	638	642	643	644	643	643	643	642	640	0	9 41	651	13 44	624	27
5	✓			641	640	639	634	637	638	636	635	641	650	647	641	635	627	627	627	633	641	641	642	644	643	643	642	638	0	9 52	654	13 42	624	30
6				642	641	638	635	639	636	632	635	644	647	645	641	632	625	631	632	631	635	639	638	643	646	648	659	639	0	23 16	662	13 37	624	38
7				659	639	636	635	635	637	636	632	636	646	648	646	642	635	632	649	642	650	665	662	656	653	650	650	645	1	0 19	674	13 57	623	51
8	✓	✓		643	640	639	642	642	632	644	646	649	651	646	639	628	626	632	634	639	644	647	647	646	645	644	643	641	0	8 52	653	13 00	625	28
9				642	642	641	643	644	644	642	641	648	652	652	644	630	623	624	626	635	639	640	646	658	655	654	653	642	0	20 44	661	13 46	622	39
10			✓	650	639	641	642	642	640	639	636	639	647	646	635	625	624	627	635	641	640	643	648	650	657	650	659	641	1	23 48	672	13 04	621	51
11				662	647	629	645	637	634	635	640	642	645	648	642	641	627	632	636	653	653	652	668	652	656	652	648	645	0	0 14	681	2 54	611	70
12				645	643	641	642	644	645	643	642	649	653	652	646	637	633	630	635	643	645	657	652	658	657	652	652	646	0	18 33	665	14 56	624	41
13	✓	✓		651	644	643	645	643	645	643	638	648	650	648	644	640	637	633	631	635	644	648	648	651	650	648	647	644	0	0 20	654	15 22	630	24
14	✓			644	642	641	641	641	642	642	642	651	658	658	652	636	629	626	629	638	647	649	657	655	655	653	651	645	0	10 36	661	14 38	623	38
15				645	644	642	641	641	640	639	641	648	655	654	651	641	632	631	632	636	642	641	646	650	653	652	650	644	0	9 31	656	14 02	629	27
16			✓	647	644	637	647	647	647	641	638	637	637	640	644	641	640	640	643	647	647	650	650	655	656	659	653	645	1	22 25	665	2 25	632	33
17				654	648	645	635	606	643	629	630	636	652	656	657	648	642	641	649	654	648	649	669	647	649	655	656	646	1	19 46	685	4 23	580	105
18			✓	639	645	645	637	631	627	631	639	653	663	661	651	645	639	641	643	645	683	665	655	657	659	657	648	648	1	17 30	705	4 46	615	90
19			✓	648	648	645	633	635	643	642	641	647	653	660	657	645	639	636	633	655	651	651	654	651	645	647	653	646	1	16 47	678	3 32	626	52
20				639	652	635	645	648	642	627	639	644	653	654	661	651	643	638	640	646	644	666	648	651	649	643	645	646	1	18 44	681	2 26	620	61
21				645	647	635	643	641	643	639	642	648	649	649	645	639	629	632	632	643	647	648	650	651	651	646	651	644	0	21 41	658	2 47	619	39
22				649	646	647	647	645	645	644	649	656	664	663	649	635	631	632	633	643	650	651	650	650	648	648	646	647	0	9 40	668	14 14	627	41
23			✓	646	645	645	645	645	642	638	643	653	659	660	666	657	644	639	642	646	657	654	656	663	678	666	645	651	1	21 34	685	23 56	630	55
24				654	651	629	630	650	642	609	642	649	648	651	644	637	630	631	640	649	653	655	653	653	656	654	652	644	1	0 52	674	2 58	595	79
25				636	649	640	640	640	646	652	657	661	658	651	643	634	625	634	639	649	657	653	655	661	658	655	652	648	1	8 20	665	13 14	617	48
26				645	643	643	643	639	636	648	655	665	665	662	659	647	638	632	635	647	653	654	655	657	661	664	656	650	0	8 52	669	14 49	630	39
27				653	647	646	644	640	641	644	653	662	674	664	653	642	633	635	648	649	664	659	664	658	663	654	653	652	1	19 40	687	13 28	626	61
28	✓	✓		650	644	645	647	647	648	652	658	664	662	656	648	637	629	630	637	648	652	652	655	656	656	655	653	649	0	8 49	665	13 52	626	39
29	✓	✓		650	648	647	645	644	644	647	655	661	664	657	647	639	637	638	639	642	645	650	651	654	656	657	654	649	0	9 14	665	12 57	636	29
30	✓			652	651	650	647	645	641	644	655	660	659	653	644	634	629	634	638	643	646	647	650	652	654	655	652	647	0	8 39	662	13 12	628	34
31				647	645	645	646	643	642	639	643	652	656	655	649	643	640	637	637	640	647	655	661	671	670	671	664	650	0	21 59	692	16 13	635	57
MEANS ALL DAYS				647	645	641	641	640	641	639	643	649	654	653	648	639	632	632	636	643	648	650	652	653	654	652	651	645						46
MEANS TEN DAYS ✲				646	644	643	642	641	640	642	644	651	655	652	644	635	630	630	633	639	644	646	648	649	650	650	648	644						31
MEANS FIVE DAYS † (G. M. T.)				646	645	644	642	642	642	642	647 646	653 652	655	651	644	636	631	632	635	640	645	648	649	650	650	649	648	644						
MEANS FIVE DAYS ‡ (G. M. T.)				651	649	637	638	635	641	628	638	646	652	653	651	643	637	637	639	647	656	653	653	655	659	656	652	646						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 278

VERTICAL INTENSITY

50944 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1942 — SEPTEMBER 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				658	652	650	644	641	642	642	643	649	651	649	647	643	639	636	635	637	646	648	648	652	669	678	679	649	0	22	58	684	15	57	633	51
2				673	663	648	643	641	646	649	651	651	648	644	635	629	631	647	651	647	647	652	657	653	652	651	650	648	0	0	25	680	12	53	625	55
3	✓			650	648	648	649	648	647	643	646	658	658	650	639	628	630	631	637	643	649	656	645	649	651	652	651	646	0	18	40	665	12	47	624	41
4				649	648	647	647	646	646	646	651	655	655	654	648	637	629	624	625	634	646	650	648	651	650	647	647	645	0	8	43	658	15	06	621	37
5				649	651	649	647	649	646	646	649	657	661	659	649	629	625	629	637	643	651	654	660	664	660	657	662	649	0	23	36	668	12	56	622	46
6			✓	659	648	652	644	643	646	650	654	661	664	657	646	628	625	631	633	646	654	655	657	658	679	695	656	652	1	22	12	699	13	52	621	78
7				640	640	647	646	647	651	642	649	652	647	635	626	626	629	635	641	646	650	659	656	656	654	653	654	645	0	18	48	662	11	37	622	40
8				653	647	644	644	647	647	644	655	654	649	639	630	628	627	632	642	650	654	657	663	662	657	651	649	647	0	20	03	666	13	20	624	42
9	✓			651	645	645	647	648	650	653	658	666	659	647	634	629	632	642	645	652	657	660	670	658	655	652	652	650	0	19	28	679	12	55	627	52
10	✓			651	651	642	647	649	651	655	662	665	656	634	623	624	622	627	642	650	655	662	661	663	662	661	657	649	0	8	40	666	13	33	619	47
11			✓	652	650	649	647	647	648	653	658	663	660	646	632	624	621	627	634	641	648	651	654	654	658	663	649	647	1	22	17	667	13	45	618	49
12			✓	648	653	639	638	631	644	637	638	648	658	659	644	644	634	634	658	680	686	705	677	667	659	664	660	654	1	18	20	718	4	20	620	98
13				630	648	649	641	631	637	645	662	669	666	658	651	644	631	632	643	655	666	660	657	658	660	661	664	651	1	17	28	675	0	35	610	65
14				645	646	639	624	639	646	645	661	663	669	660	648	648	644	646	652	658	656	664	667	664	669	667	649	653	1	18	50	683	3	39	617	66
15				644	643	654	640	634	640	657	657	657	650	643	634	631	633	637	636	646	652	669	660	653	660	652	655	647	1	18	35	681	12	12	625	56
16				660	648	636	647	642	646	651	660	666	663	656	641	635	638	637	638	648	656	662	653	662	656	655	656	650	1	8	40	670	2	05	617	53
17			✓	656	648	650	651	647	637	641	652	658	666	662	653	647	640	646	648	650	668	712	673	657	650	654	652	655	1	18	42	723	5	07	634	89
18				665	639	632	647	649	647	644	662	659	656	644	634	632	632	635	642	648	654	659	654	653	654	665	653	648	1	0	32	675	2	31	619	56
19				656	650	624	651	654	652	652	660	660	657	674	664	630	631	634	643	651	669	672	655	657	672	660	651	653	1	18	40	693	2	12	611	82
20				651	636	643	648	648	647	651	655	652	651	648	644	647	648	647	647	654	656	662	669	674	652	656	645	651	1	19	56	710	1	10	627	83
21			✓	651	648	646	643	642	649	649	650	653	652	652	646	642	639	640	642	661	688	667	671	678	650	653	654	653	1	20	36	707	13	01	632	75
22				646	646	642	646	649	655	660	661	663	658	646	634	630	634	633	637	651	660	671	670	664	657	653	649	651	1	19	10	679	14	43	627	52
23	✓			650	646	647	654	655	651	657	667	674	670	658	643	628	625	630	642	652	657	660	661	660	660	656	655	652	0	8	50	681	12	54	622	59
24	✓			653	652	652	652	652	655	658	667	670	667	656	633	621	624	627	637	649	657	659	663	661	661	658	655	652	0	8	09	676	13	03	619	57
25	✓	✓		652	652	651	652	652	660	661	670	679	674	653	628	623	626	628	639	652	657	659	662	665	661	659	657	653	0	7	45	679	12	04	620	59
26	✓	✓		656	650	650	650	652	655	659	668	671	668	658	638	631	625	632	643	650	657	659	661	666	669	672	668	654	0	22	07	674	13	45	623	51
27				667	656	650	650	650	652	656	665	673	672	659	642	636	635	636	644	651	658	661	667	672	673	675	667	657	0	22	17	680	13	05	633	47
28	✓	✓		653	651	650	651	650	650	660	669	677	670	658	637	623	623	627	641	648	653	654	659	667	663	658	657	652	0	8	41	681	13	05	622	59
29	✓	✓		656	653	652	652	649	650	657	667	671	669	652	638	622	619	622	632	645	653	655	658	663	665	664	659	651	0	8	46	672	13	40	617	55
30	✓	✓		656	653	649	652	651	653	656	664	672	669	656	638	626	621	626	638	645	658	659	659	659	659	657	657	651	0	8	44	676	13	48	619	57
31																																		
MEANS ALL DAYS				653	649	646	646	646	648	651	658	662	660	652	640	632	630	634	641	649	657	662	660	661	660	660	656	651								59
MEANS TEN DAYS ✱				653	650	649	651	651	652	656	664	670	666	652	635	626	625	629	640	649	655	658	660	661	661	659	657	651								54
MEANS FIVE DAYS † (G. M. T.)				658	654	651	651	651	653	658	668 666	674 672	670	655	636	625	623	627	639	648	656	657	660	664	663	662	660	653								
MEANS FIVE DAYS ‡ (G. M. T.)				646	645	642	644	641	647	646	654	657	660	655	644	637	632	636	643	656	669	678	666	663	659	666	654	652								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 279

VERTICAL INTENSITY

50944 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1942

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		657	658	656	652	654	655	661	665	672	667	646	625	617	616	621	635	648	656	656	657	657	659	659	659	650	0	8 00	672	13 10	613	59
2			✓	656	655	656	654	652	651	653	659	665	662	647	619	610	607	612	620	641	661	667	666	709	716	691	669	654	1	20 53	749	13 00	603	146
3			✓	667	655	666	657	630	651	655	662	664	655	648	639	627	625	627	656	661	661	674	675	674	685	673	658	656	1	18 51	694	12 22	618	76
4				673	653	648	654	653	657	659	663	661	660	652	646	639	642	647	662	663	661	667	667	672	667	667	670	658	1	20 30	694	12 16	634	60
5				656	652	657	654	655	657	660	660	670	668	659	650	636	635	641	645	665	668	674	677	675	675	667	671	659	1	21 23	686	12 53	630	56
6	✓			663	657	660	660	657	660	664	668	669	669	666	651	638	633	637	642	657	662	665	664	663	664	663	663	658	0	9 09	672	13 15	630	42
7				660	660	660	660	660	663	664	669	676	676	666	647	632	625	634	644	657	666	669	672	675	684	670	659	660	0	21 11	691	13 31	623	68
8				662	660	660	657	660	663	667	666	672	666	653	644	635	629	630	641	657	668	671	673	675	671	667	665	659	0	19 56	676	13 01	627	49
9	✓	✓		663	664	655	657	658	660	671	675	678	673	663	650	639	632	626	633	648	660	669	670	669	666	666	662	659	0	8 23	680	14 24	624	56
10	✓			657	651	653	655	656	658	666	674	678	671	654	635	616	607	608	617	639	654	660	660	660	660	660	659	650	0	8 00	679	13 40	603	76
11				655	654	654	653	653	654	660	671	673	671	650	620	605	602	609	625	645	657	658	661	668	665	661	660	649	0	8 58	674	12 51	599	75
12			✓	654	652	650	650	648	653	661	670	668	658	643	629	618	612	614	629	648	662	703	676	677	675	668	669	654	1	18 31	738	13 49	606	132
13				659	645	641	650	651	658	658	665	679	679	661	640	625	620	626	642	655	667	666	666	664	672	669	657	655	1	9 19	689	13 01	618	71
14				646	645	663	654	651	648	649	664	670	664	654	627	612	613	621	636	653	661	669	671	682	672	660	652	652	1	20 29	697	12 46	609	88
15				660	657	648	640	636	643	657	662	664	664	660	644	632	627	625	636	654	661	658	660	669	674	673	660	653	1	22 48	678	14 08	621	57
16				654	645	636	651	649	649	647	649	669	668	659	650	635	633	635	641	653	662	669	666	666	662	666	653	653	1	18 19	675	13 01	629	46
17				660	658	645	648	647	651	654	660	664	658	651	642	637	632	636	646	657	663	661	661	667	663	664	664	654	0	20 45	670	13 14	627	43
18				656	658	660	658	652	653	656	664	670	672	660	643	631	630	634	650	661	661	667	671	664	664	665	662	657	1	19 27	687	13 00	628	59
19				646	659	656	657	655	656	656	661	673	668	656	643	637	637	646	649	655	661	674	677	678	680	674	654	659	1	20 17	690	13 38	633	57
20				656	648	652	657	659	660	665	671	672	666	657	642	632	630	634	647	657	663	669	672	664	663	659	659	656	1	24 00	679	13 29	626	53
21	✓			676	660	655	657	660	663	670	673	672	665	653	641	637	637	639	646	655	659	661	662	666	667	662	665	658	0	0 27	681	13 15	635	46
22	✓	✓		657	659	660	660	662	666	670	672	669	660	647	633	626	627	631	645	656	661	664	667	673	663	661	660	656	0	20 40	677	13 15	626	51
23	✓	✓		658	658	657	658	661	664	667	672	670	665	656	644	633	627	633	644	664	668	670	672	676	670	663	661	659	0	20 33	677	13 34	628	49
24	✓	✓		659	657	658	659	662	665	668	669	670	667	657	639	628	627	634	644	656	660	660	660	661	662	662	663	656	0	8 00	671	12 53	626	45
25				661	659	659	657	658	660	666	673	678	677	661	637	624	619	626	640	655	664	664	667	674	671	672	671	658	0	8 53	679	13 40	617	62
26	✓			664	661	657	657	660	663	665	671	682	678	659	637	628	629	638	647	656	662	665	666	667	667	667	666	659	0	8 23	684	12 50	626	58
27	✓			661	658	657	656	651	653	662	674	671	663	650	637	624	621	624	628	647	663	665	664	664	666	666	663	654	0	7 59	677	13 06	621	56
28			✓	659	658	657	657	658	659	662	669	673	669	662	650	637	634	634	638	645	655	664	665	680	704	722	665	662	1	22 19	744	23 46	631	113
29			✓	708	717	705	677	654	623	639	649	643	644	638	635	634	635	654	683	692	695	706	725	689	681	669	674	670	2	0 56	743	5 54	615	128
30				688	668	661	649	659	658	658	660	667	670	667	652	642	643	648	652	671	679	680	682	681	682	694	678	666	1	21 56	703	12 46	638	65
31				667	673	664	654	659	658	663	669	673	679	672	659	652	644	649	662	670	675	690	687	684	677	664	678	668	1	18 51	706	14 14	642	64
MEANS ALL DAYS				662	659	657	655	654	656	660	666	670	667	656	640	630	627	631	643	656	664	670	670	672	672	669	664	657						68
MEANS TEN DAYS ✻				662	658	657	657	658	661	666	671	673	668	655	639	629	626	629	638	653	660	664	664	666	664	663	662	656						54
MEANS FIVE DAYS (G. M. T.) †				658	656	657	657	658	660	664	671 669	672 672	666	654	638	629	626	629	640	654	661	664	665	667	664	662	661	655						
MEANS FIVE DAYS (G. M. T.) ‡				679	668	664	657	649	649	654	660	663	658	648	634	625	623	628	645	657	667	683	681	686	692	685	667	659						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLE 280

VERTICAL INTENSITY

50944 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1942 — NOVEMBER 1942

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				678	666	651	662	664	669	672	675	681	681	676	663	645	633	636	651	666	663	679	674	672	677	672	671	666	0	18 53	691	13 59	630	61
2				664	667	668	668	671	670	674	678	679	674	666	655	641	632	642	654	666	672	675	682	688	689	684	663	668	1	20 19	692	13 25	629	63
3				679	679	669	667	665	670	671	672	668	657	647	638	631	635	645	658	666	673	679	681	683	683	679	676	665	0	21 17	696	12 37	629	67
4				676	667	672	668	665	669	676	676	669	658	644	635	634	636	642	660	669	668	674	682	673	671	668	667	663	0	19 37	690	12 28	633	57
5	✓			669	668	667	666	668	672	678	678	672	660	648	643	639	637	638	648	662	669	671	670	670	670	672	668	663	0	6 47	681	13 56	636	45
6	✓			665	665	663	664	665	671	679	674	671	665	646	635	633	637	646	658	671	674	671	669	668	668	668	667	662	0	7 20	688	11 14	631	57
7	✓			665	664	663	665	668	670	675	680	678	669	651	639	636	637	644	659	672	676	678	678	683	682	673	669	666	1	21 00	697	12 07	634	63
8				665	662	662	662	668	673	682	685	685	677	653	626	616	612	632	647	663	677	682	684	688	679	672	668	663	1	21 04	695	13 23	607	88
9	✓	✓		668	666	665	663	655	668	678	684	676	677	666	658	654	652	655	665	672	673	673	673	676	673	672	671	668	1	7 43	690	4 27	643	47
10				664	662	665	665	664	666	668	676	682	681	674	659	645	637	639	647	657	661	664	666	674	694	694	680	666	1	21 54	712	13 27	636	76
11				670	666	664	664	667	665	673	683	677	667	659	643	633	633	637	649	661	668	671	677	690	672	673	673	664	1	20 27	714	12 48	629	85
12				672	666	656	650	663	667	670	678	686	681	671	655	640	630	636	645	655	665	669	670	672	673	669	672	663	0	8 24	690	13 47	628	62
13				671	669	663	663	664	667	671	677	677	672	664	649	636	632	635	645	658	668	671	675	673	682	690	682	665	0	22 17	703	13 38	629	74
14				667	661	658	662	661	668	672	676	679	677	669	662	655	649	652	662	670	672	674	674	676	675	677	672	668	1	8 16	684	13 56	644	40
15				669	664	657	667	668	671	675	683	679	667	657	651	650	646	647	650	660	666	668	668	668	670	673	669	664	0	7 36	689	2 14	644	45
16	✓	✓		671	671	669	663	668	671	674	671	668	667	660	653	651	654	660	663	666	668	671	671	668	668	668	668	666	0	6 35	678	11 45	648	30
17	✓	✓		669	669	671	671	670	672	675	675	668	658	649	645	643	638	644	655	662	666	669	672	680	673	674	674	664	0	20 03	684	13 47	638	46
18				672	668	668	668	671	672	676	668	656	652	644	640	640	645	650	656	670	672	669	672	672	670	672	670	663	0	22 50	682	11 50	623	59
19	✓	✓		666	666	666	666	665	675	677	678	671	661	644	636	635	637	641	646	655	662	672	679	667	667	667	667	661	0	6 49	683	12 13	632	51
20				667	664	664	664	665	671	674	674	668	652	639	626	622	626	633	641	652	656	675	696	683	678	676	671	660	1	19 36	703	12 43	622	81
21	✓			668	670	652	664	668	671	668	668	665	663	654	645	642	644	651	660	669	671	675	685	675	674	670	666	664	0	19 33	698	12 27	640	58
22	✓	✓		664	663	663	664	662	669	680	685	679	669	654	642	634	634	641	654	667	674	673	672	671	674	671	668	664	0	7 13	689	13 00	632	57
23			✓	667	662	661	662	665	670	678	683	678	669	654	638	628	628	633	644	655	664	670	678	686	695	691	676	664	1	21 48	698	12 40	625	73
24			✓	663	667	661	660	669	672	677	659	668	655	644	643	648	658	669	685	708	711	709	707	713	694	688	676	675	1	20 25	723	9 53	635	88
25			✓	675	670	670	672	664	678	685	688	686	678	666	648	639	647	657	669	678	685	700	688	686	686	686	670	674	1	18 39	722	13 20	631	91
26			✓	676	673	661	661	670	661	671	676	673	664	655	648	648	651	654	664	674	687	685	684	687	678	681	683	669	1	17 45	709	11 51	643	66
27				680	666	662	660	658	675	676	677	674	663	652	643	633	629	638	655	672	690	680	682	678	674	676	675	665	1	17 24	700	13 07	627	73
28			✓	675	672	668	662	664	674	682	688	692	677	657	642	633	634	648	663	677	686	697	694	687	695	678	688	672	1	18 34	708	13 13	628	80
29				665	675	678	669	671	680	681	688	681	669	658	647	646	654	660	666	672	685	682	678	683	679	680	676	672	1	17 43	695	12 09	641	54
30	✓			678	677	675	674	676	679	683	684	684	677	668	660	653	648	648	658	671	678	681	675	675	682	683	680	673	0	21 57	694	13 33	646	48
31																																		
MEANS ALL DAYS				670	668	664	665	666	671	676	678	676	668	656	646	639	639	645	656	667	673	677	679	679	678	677	673	666						63
MEANS TEN DAYS *				668	668	665	666	666	672	677	678	673	667	654	646	642	642	647	657	667	671	673	674	673	673	672	670	665						50
MEANS FIVE DAYS † (G. M. T.)				668	665	666	666	667	670	674	679 675	672 670	666	655	647	643	643	648	657	664	669	672	673	672	671	670	670	664						
MEANS FIVE DAYS ‡ (G. M. T.)				672	670	666	664	666	673	678	678	679	669	655	644	639	644	652	665	678	687	692	690	692	690	685	679	671						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 281

VERTICAL INTENSITY

50944 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1942 — DECEMBER 1942

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				682	678	676	670	673	679	682	678	669	665	654	648	651	656	663	669	674	677	674	671	672	676	673	676	670	0	6	18	683	11 40	647	36
2	✓			675	675	674	671	679	679	672	669	663	657	644	643	648	657	663	671	673	675	674	673	673	673	675	676	668	0	5	07	681	10 48	640	41
3				675	675	675	675	678	682	689	690	675	663	655	653	655	659	662	670	675	676	675	672	672	671	671	672	671	0	7	18	692	11 53	652	40
4				673	675	673	673	674	681	689	682	659	647	639	640	646	656	671	679	681	678	674	674	672	678	694	685	671	1	22	33	705	10 43	636	69
5	✓			673	671	669	673	679	685	688	686	681	676	666	656	653	650	653	663	674	679	678	675	674	675	675	674	672	0	6	10	691	13 20	648	43
6	✓			670	670	670	673	676	681	687	689	679	663	649	640	636	642	654	666	673	673	673	673	675	674	676	671	668	0	7	21	689	12 08	634	55
7				669	670	671	673	681	687	697	691	682	666	647	632	628	631	645	657	666	674	680	679	688	694	680	679	669	1	21	07	702	12 40	628	74
8				686	679	679	678	680	676	699	701	695	679	659	645	642	644	648	662	674	679	679	678	679	687	693	691	676	1	6	55	704	12 20	639	65
9			✓	690	687	680	679	671	681	693	692	680	662	642	633	632	635	643	656	668	672	673	673	670	683	682	678	669	1	22	00	708	12 43	630	78
10			✓	672	656	670	667	677	684	687	694	683	683	664	685	652	656	659	672	681	683	683	682	687	687	684	682	676	1	7	50	698	12 03	645	53
11				694	675	671	675	675	682	694	699	690	675	657	639	629	636	651	662	673	682	687	693	687	696	680	674	674	0	21	49	707	12 11	626	81
12				674	674	672	669	674	682	686	685	682	664	652	642	639	640	649	657	672	688	689	696	699	698	688	682	673	1	20	01	706	12 20	637	69
13	✓			683	674	680	680	681	688	693	697	689	681	671	664	662	659	660	667	671	675	676	674	679	679	682	684	677	0	7	33	701	14 00	657	44
14				683	675	674	675	677	678	681	683	678	668	654	652	652	653	655	663	672	680	683	684	678	679	680	681	672	0	0	04	691	11 11	649	42
15				680	677	677	677	674	677	677	676	671	657	639	636	642	642	647	654	668	674	675	672	672	671	669	671	666	0	0	20	684	11 05	633	51
16				672	671	671	668	668	675	678	675	669	662	648	649	653	654	658	667	670	675	676	677	668	668	667	668	667	0	7	04	684	11 17	643	41
17	✓	✓		664	669	673	671	674	673	675	670	660	648	643	646	651	656	660	665	673	673	669	669	671	672	671	671	665	0	5	23	678	10 23	642	36
18	✓	✓		673	675	674	673	673	677	677	676	661	654	644	640	645	652	658	662	666	670	669	667	666	667	669	689	666	0	6	56	684	10 52	638	46
19	✓	✓		667	666	667	668	672	675	678	672	661	655	640	624	624	631	645	657	665	667	667	669	667	666	666	667	660	0	6	14	679	12 10	621	58
20				667	667	666	667	669	676	681	682	676	664	644	629	629	633	644	655	664	670	672	670	668	667	668	669	662	0	7	00	683	11 46	625	58
21			✓	667	657	662	668	671	677	684	676	665	653	633	617	614	628	645	656	666	681	690	690	724	711	689	685	667	1	20	17	753	12 37	607	146
22				690	677	664	667	670	679	685	679	661	645	631	626	638	642	652	661	674	680	682	693	680	683	677	676	667	1	19	20	712	11 20	624	88
23			✓	673	671	671	667	673	680	685	686	677	666	649	628	620	623	640	667	680	689	707	711	711	714	696	673	673	1	20	26	729	13 10	618	111
24				672	664	668	669	668	679	688	688	675	665	653	642	640	646	659	668	677	690	683	685	685	688	693	690	672	1	22	04	708	12 15	637	71
25				681	671	671	672	674	678	681	688	691	681	658	651	654	658	664	667	673	686	686	684	681	681	686	685	675	0	22	09	693	11 09	649	44
26			✓	683	683	674	671	670	674	680	683	679	668	657	642	638	651	652	658	663	666	680	686	696	689	687	680	671	1	20	05	701	12 09	631	70
27				679	673	663	671	672	668	675	672	670	661	647	638	639	643	649	653	660	667	673	678	679	682	683	678	666	0	22	14	686	11 17	637	49
28				675	675	673	672	672	672	672	674	676	679	675	661	646	643	649	653	663	670	672	672	676	681	682	679	669	0	22	31	688	13 01	643	45
29	✓			677	674	672	670	671	672	669	669	671	671	667	658	657	660	661	664	670	669	671	673	677	680	681	679	670	0	21	52	683	12 50	622	61
30	✓	✓		677	677	674	674	673	673	677	678	677	664	647	638	638	648	660	665	671	672	671	670	670	672	673	673	667	0	8	10	680	12 15	637	43
31	✓	✓		673	673	671	671	671	673	674	674	671	664	652	638	635	638	647	654	663	667	671	671	670	670	670	673	664	0	7	15	677	12 50	634	43
MEANS ALL DAYS				676	673	672	672	674	678	683	682	675	665	651	643	642	646	654	663	671	676	678	679	680	681	679	678	670							60
MEANS TEN DAYS ✱				673	672	672	672	675	678	679	678	671	663	652	645	645	649	656	663	670	672	672	671	672	673	674	676	668							47
MEANS FIVE DAYS † (G. M. T.)				671	671	670	670	672	675	678	674 677	666 668	657	645	637	639	645	654	661	668	670	669	669	669	669	670	675	664							
MEANS FIVE DAYS ‡ (G. M. T.)				681	669	667	670	672	678	686	686	677	666	649	641	631	639	648	662	672	678	687	688	698	697	688	680	671							

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 282

DECLINATION

JANUARY 1943

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			656	667	669	670	671	674	682	692	702	699	673	652	628	623	626	632	646	651	647	651	650	651	652	660	659	0	8 10	699	12 55	620	79
2				663	671	674	671	673	674	680	691	692	691	684	665	640	621	620	629	640	644	643	649	650	651	661	662	660	0	7 30	701	14 15	610	91
3				680	679	674	671	673	684	691	702	711	706	681	657	640	621	622	626	632	636	641	644	643	661	672	671	663	0	8 13	714	14 00	620	94
4			✓	660	661	670	674	686	694	701	704	711	699	673	651	632	634	639	633	640	643	652	691	711	713	679	672	672	1	21 21	775	15 14	629	146
5				684	677	683	681	659	685	704	710	715	709	670	646	629	619	623	640	650	653	660	652	652	656	665	670	666	1	8 08	733	13 50	610	123
6				674	669	669	668	664	661	663	681	702	701	691	660	632	627	619	622	630	643	651	656	654	655	658	660	659	0	8 10	711	15 00	616	95
7	✓	✓		661	656	661	662	655	669	691	702	707	699	676	651	629	627	628	632	641	653	656	659	660	661	659	658	661	0	8 06	714	12 50	623	91
8	✓			660	662	663	665	669	679	692	707	720	712	693	660	640	634	630	633	641	643	652	651	652	653	661	661	664	0	8 15	722	14 30	629	93
9				666	667	671	670	664	679	692	701	714	721	706	679	652	633	624	623	629	640	648	650	653	652	655	659	664	0	9 27	724	15 00	621	103
10				662	664	670	670	671	672	684	695	709	709	701	683	672	653	641	642	642	646	651	662	653	651	652	657	667	0	8 43	712	16 27	635	77
11	✓	✓		663	661	666	671	669	670	664	680	693	700	695	680	661	642	632	630	634	643	650	651	650	651	653	662	661	0	10 01	702	15 17	627	75
12				669	666	664	664	671	671	675	687	707	714	709	694	671	640	609	609	626	635	646	651	652	652	656	660	662	0	9 50	722	15 00	603	119
13	✓	✓		664	664	661	662	664	666	679	692	701	699	690	679	665	654	641	630	628	629	642	650	651	652	655	661	662	0	8 55	711	17 00	626	85
14	✓	✓		663	664	664	663	670	680	682	691	693	700	696	684	671	643	632	633	642	645	649	651	651	652	652	652	663	0	10 50	702	14 50	630	72
15	✓	✓		657	659	661	664	670	671	676	688	691	694	691	674	654	631	619	619	621	631	642	645	649	652	654	656	657	0	9 40	697	14 10	614	83
16				669	664	664	661	663	669	679	690	701	700	691	663	644	630	631	641	644	644	644	645	650	647	668	674	662	0	8 33	704	13 40	628	76
17			✓	671	660	668	674	672	680	690	694	691	684	679	652	639	630	630	619	624	631	639	643	650	661	669	656	659	1	7 21	702	16 03	610	92
18				679	709	692	679	681	691	711	722	704	697	691	681	664	653	630	631	632	634	641	661	663	661	660	660	672	1	7 13	735	15 10	620	115
19				665	659	661	674	675	684	700	712	711	705	691	670	651	640	629	636	642	650	648	650	651	662	660	659	666	0	7 26	719	14 20	626	93
20			✓	662	671	674	671	675	680	691	699	691	674	653	633	621	608	608	620	627	634	637	640	647	657	674	684	655	1	7 24	710	13 50	602	108
21			✓	689	709	692	700	693	690	726	749	732	719	680	650	638	623	620	612	619	645	655	650	657	653	660	672	672	1	7 25	764	15 48	608	156
22			✓	669	670	675	680	687	679	690	711	683	673	670	653	642	640	639	631	632	646	639	643	663	703	688	677	666	1	21 20	731	15 46	628	103
23				690	675	685	689	688	688	700	713	710	703	683	660	638	622	622	633	646	648	656	653	652	656	657	660	668	0	7 47	732	13 54	616	116
24				661	666	667	669	671	672	683	691	690	688	680	669	653	637	622	627	642	650	667	670	662	660	660	670	664	0	8 34	694	15 55	620	74
25	✓			661	670	670	670	661	674	697	713	711	701	683	660	634	613	611	621	640	650	650	651	652	650	652	662	661	0	7 39	721	13 50	607	114
26				667	662	662	662	661	669	682	698	710	721	702	680	642	608	598	599	598	620	627	640	651	660	659	667	656	1	9 40	723	14 44	595	128
27				681	672	670	671	670	678	681	690	699	701	690	668	647	627	619	618	628	632	639	647	651	661	666	678	662	0	8 53	711	15 00	615	96
28				669	670	670	669	669	671	681	693	701	699	696	681	657	629	606	602	616	622	629	639	644	649	649	659	657	1	8 20	711	15 10	599	112
29	✓			650	658	669	659	661	670	687	702	693	693	687	673	657	639	625	619	626	632	640	643	649	654	656	658	658	0	7 10	710	15 20	617	93
30				660	660	661	662	670	671	685	697	701	690	670	655	644	639	630	629	632	638	642	645	646	648	649	651	657	0	8 15	708	15 14	624	84
31	✓			659	660	660	667	670	678	680	689	683	679	679	669	651	637	631	630	635	641	639	640	647	649	659	658	658	0	7 40	695	15 23	629	66
MEANS ALL DAYS				667	668	670	670	671	677	688	700	703	699	686	666	646	632	624	626	633	640	646	651	654	658	660	663	662						98
MEANS TEN DAYS ✲				659	662	664	665	666	673	683	696	699	698	686	668	649	634	628	628	635	642	647	649	651	652	655	659	660						85
MEANS FIVE DAYS † (G. M. T.)				664	663	663	663	669	674	681	691 693	697 702	698	690	674	656	639	630	629	633	640	648	651	652	654	655	658	661						
MEANS FIVE DAYS ‡ (G. M. T.)				682	688	685	686	682	687	706	721	702	690	671	648	634	627	627	623	628	640	644	653	666	677	674	672	667						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 283

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				660	664	669	670	673	680	699	704	693	680	669	656	637	629	631	642	649	656	653	651	650	655	659	662	662	0	7	26	708	13 05	626	82
2				659	660	660	660	664	670	672	681	686	677	666	660	640	631	630	631	638	640	641	642	643	659	668	667	656	0	8	03	690	13 50	627	63
3				664	668	670	669	670	679	690	713	715	703	666	643	635	628	620	626	630	638	645	650	656	673	670	664	662	0	8	18	723	14 33	611	112
4			✓	661	661	659	657	636	670	684	700	700	690	665	661	642	652	657	660	661	659	668	671	654	660	672	668	665	1	9	11	706	4 07	629	77
5				658	660	653	650	660	672	696	707	692	673	650	629	622	625	629	641	649	650	652	669	680	654	659	658	658	0	7	20	710	12 20	621	89
6				650	660	660	660	658	677	696	710	696	675	643	628	623	620	624	626	630	642	645	655	661	656	656	656	654	0	8	05	712	13 10	618	94
7	✓			660	671	673	668	668	670	679	713	713	703	673	638	621	619	619	625	635	649	652	653	653	652	652	660	659	0	7	42	720	14 22	611	109
8				667	667	668	667	660	657	673	700	703	709	696	660	628	611	604	609	628	639	646	648	653	661	663	661	657	0	9	05	711	14 50	602	109
9				663	663	662	649	675	680	692	714	723	723	710	685	652	631	614	609	613	631	641	643	651	652	658	659	662	0	9	21	733	15 12	601	132
10	✓	✓		665	664	662	660	659	668	679	691	704	705	699	679	660	641	622	619	620	628	632	639	647	652	658	658	659	0	8	40	709	15 50	611	98
11				658	660	660	661	668	670	673	691	706	690	679	652	629	619	608	611	617	630	645	650	662	665	660	659	655	0	8	50	710	14 25	602	108
12	✓	✓		660	660	661	665	666	670	679	692	689	683	670	654	645	645	640	641	643	648	649	650	648	650	650	652	659	0	7	17	699	14 26	638	61
13			✓	658	660	661	661	661	664	679	689	690	699	690	670	658	639	628	618	609	623	638	644	645	649	660	664	657	1	9	52	705	15 55	605	100
14	✓			660	663	662	662	669	675	682	686	673	660	649	630	633	640	641	642	639	636	638	638	640	641	647	653	652	0	8	11	691	11 30	628	63
15	✓	✓		655	660	662	664	669	670	679	688	689	688	679	660	651	640	638	639	640	643	658	650	650	651	653	654	660	0	8	06	694	13 31	633	61
16	✓			656	659	659	660	667	672	679	691	700	690	676	645	619	600	606	613	636	650	650	651	652	652	655	657	654	0	8	35	702	13 40	598	104
17			✓	659	660	662	665	663	670	679	691	709	700	690	658	619	608	578	601	600	622	640	700	643	654	681	672	655	1	19	05	762	14 50	570	192
18				665	660	664	660	656	650	679	705	712	710	689	660	638	624	619	612	618	631	649	660	661	670	663	660	659	0	8	34	718	15 44	608	110
19				653	655	659	661	668	673	679	693	703	700	678	649	631	616	608	610	625	649	658	660	653	656	662	665	657	0	8	31	712	14 56	600	112
20	✓			660	658	656	655	655	662	679	695	701	700	690	670	642	629	620	619	623	632	641	643	647	648	652	655	656	0	8	51	710	15 40	618	92
21	✓	✓		651	656	659	660	666	670	673	690	693	690	678	657	636	628	618	621	630	642	650	651	651	651	656	660	656	0	8	35	696	15 33	611	85
22	✓			660	662	667	668	662	667	676	691	709	710	692	670	639	627	617	618	628	632	637	647	658	663	656	657	659	0	8	15	720	15 00	612	108
23				659	660	662	669	667	670	679	705	718	719	699	672	644	618	607	598	599	618	630	639	646	646	648	652	655	0	8	52	724	15 56	593	131
24				658	659	667	668	675	681	686	705	721	721	719	692	661	632	617	615	617	639	649	648	657	649	655	653	664	0	8	09	732	16 10	610	122
25			✓	657	660	665	661	666	658	668	679	702	710	700	679	657	642	635	632	634	647	652	649	649	657	661	669	662	1	8	50	720	15 40	630	90
26			✓	671	658	689	679	679	678	664	668	679	702	682	648	626	607	608	606	617	630	656	644	646	648	650	664	654	1	10	00	710	15 22	599	111
27				694	698	659	690	681	679	679	677	689	706	700	684	658	640	629	628	633	648	668	660	659	665	662	659	669	0	9	50	710	2 28	618	92
28	✓	✓		656	657	657	650	652	659	672	688	701	711	706	688	662	637	616	608	617	636	652	658	654	652	657	660	659	0	9	16	718	15 10	605	113
29																																		
30																																		
31																																		
MEANS ALL DAYS				661	662	663	663	665	670	680	695	700	697	682	660	640	628	621	622	628	639	648	652	652	655	659	660	658							101
MEANS TEN DAYS *				658	661	662	661	663	668	678	692	697	694	681	659	641	631	624	624	631	640	646	648	650	651	654	657	657							89
MEANS FIVE DAYS † (G. M. T.)				658	660	661	662	663	667	677	690 690	695 699	695	686	668	651	638	627	626	630	639	648	650	650	651	655	657	658							
MEANS FIVE DAYS ‡ (G. M. T.)				670	668	665	668	669	671	680	689	696	700	685	663	640	630	621	623	624	636	651	662	647	654	665	667	560							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 284

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1943 — MARCH 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			660	658	658	658	659	664	676	687	690	698	696	678	647	623	607	612	617	627	635	638	644	653	664	678	655	0	10	703	14	606	97
2				673	668	664	667	657	660	668	679	692	697	697	679	657	638	617	607	589	587	608	639	658	687	662	648	654	1	10	709	17	579	130
3				649	657	658	656	652	652	662	674	682	687	682	677	678	654	637	628	630	641	647	639	640	645	656	658	656	0	9	691	15	626	65
4				659	661	667	669	669	668	669	677	674	676	669	648	632	629	617	628	620	636	642	660	672	660	649	656	654	1	20	704	16	612	92
5				668	668	667	664	660	626	647	666	670	671	658	641	640	642	633	628	637	639	646	649	657	659	657	658	652	1	9	680	5	600	80
6				646	647	668	654	657	645	650	668	674	672	666	657	647	632	629	639	647	648	648	648	649	648	661	659	652	0	8	689	14	624	65
7	✓			656	656	657	649	632	657	669	678	695	700	697	668	650	638	637	638	640	647	648	644	652	650	651	658	657	0	9	710	4	620	90
8				659	659	648	649	640	647	653	660	668	684	688	679	667	644	627	625	628	632	639	647	656	652	649	649	652	0	10	693	16	619	74
9				659	659	660	659	663	657	660	682	692	696	685	668	647	630	622	629	637	642	643	644	660	653	649	650	656	0	9	707	14	619	88
10	✓	✓		665	659	657	658	659	663	670	682	697	699	693	678	652	638	627	625	630	637	641	641	647	648	649	657	657	0	9	707	15	624	83
11				658	660	659	661	662	663	666	668	689	704	702	692	667	638	628	625	630	639	644	650	651	650	650	649	659	1	9	711	15	622	89
12				650	653	685	670	676	691	681	689	698	703	692	670	645	627	618	621	631	635	639	640	648	652	659	678	660	1	9	720	14	612	108
13	✓	✓		674	673	669	671	657	653	670	687	699	708	698	677	648	627	625	628	629	635	640	647	648	649	650	651	659	0	9	718	14	624	94
14				652	655	656	657	658	660	667	675	687	688	686	659	637	624	618	608	612	634	637	640	643	648	651	664	651	0	9	700	15	604	96
15	✓	✓		657	651	650	656	659	660	661	672	688	687	676	652	637	639	639	640	638	639	640	640	641	647	649	650	653	0	9	680	13	620	60
16			✓	657	659	660	660	662	668	670	676	682	677	657	648	621	619	605	607	620	622	639	641	652	667	655	656	649	1	9	691	15	599	92
17				659	661	664	668	670	689	690	689	653	669	663	650	639	630	631	636	647	648	659	651	647	649	650	652	657	0	7	694	13	627	67
18	✓			657	658	659	660	660	661	666	671	679	677	656	637	624	622	620	627	635	640	639	642	649	650	650	651	650	0	9	689	14	619	70
19				652	652	661	660	665	668	676	690	691	677	650	629	601	599	608	618	639	640	638	640	644	647	650	651	648	0	7	700	13	595	105
20			✓	651	654	657	658	654	643	669	684	687	673	641	623	613	614	625	623	612	638	629	637	643	654	652	637	645	1	7	699	16	597	102
21				657	662	638	667	661	664	673	679	688	679	667	648	638	627	626	626	624	628	639	670	649	650	654	658	653	0	8	692	16	620	72
22				669	678	674	678	671	675	678	689	692	689	679	648	627	619	618	620	617	619	620	628	637	640	651	667	653	1	8	702	13	610	92
23			✓	648	661	662	657	660	661	670	687	683	680	669	646	628	629	617	624	629	631	645	667	673	659	657	657	654	1	19	700	14	600	100
24				658	659	657	647	638	648	657	674	689	699	697	678	657	638	629	629	631	640	646	647	666	649	648	650	655	0	9	707	15	619	88
25	✓	✓		659	652	656	656	658	659	667	679	689	693	687	667	636	625	617	617	630	638	640	647	650	651	651	652	653	0	9	700	14	610	90
26	✓			654	655	654	656	659	664	666	669	679	681	668	657	647	626	617	617	620	635	639	647	649	650	652	656	651	0	9	689	14	615	74
27	✓			664	665	663	660	662	664	667	676	685	683	669	649	637	630	624	623	629	637	640	641	643	647	650	656	653	0	9	699	14	619	80
28	✓	✓		657	652	651	649	649	654	661	669	676	678	679	668	649	637	614	609	618	627	638	640	644	648	650	650	649	0	10	687	15	608	79
29			✓	649	650	649	649	653	652	654	661	676	679	682	678	666	648	630	619	627	632	643	649	661	658	664	699	655	1	23	719	15	618	101
30			✓	681	661	653	650	605	567	608	607	627	635	640	639	626	627	627	628	633	644	667	664	653	661	687	678	640	1	22	709	5	539	170
31				660	657	657	645	643	644	648	666	679	680	679	683	677	668	655	644	638	637	639	643	642	647	662	672	657	1	8	693	3	613	80
MEANS ALL DAYS				659	659	659	659	656	656	664	675	682	684	676	660	643	632	624	624	628	635	641	646	651	653	654	658	653						89
MEANS TEN DAYS ✻				660	658	657	657	655	660	667	677	688	690	682	663	643	630	623	624	629	636	640	643	647	649	652	656	654						82
MEANS FIVE DAYS † (G. M. T.)				654	656	656	657	659	661	665	678 670	690 683	693	687	668	644	633	624	624	629	635	640	643	646	649	650	652	653						
MEANS FIVE DAYS ‡ (G. M. T.)				663	660	654	655	643	642	655	663	671	669	658	647	631	627	621	620	624	633	645	652	656	660	663	665	649						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
⌈ ⌉ = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊿ = NO RECORD

TABLE 285

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1943

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				632	657	659	654	645	637	616	647	670	670	674	668	649	646	640	633	630	643	645	650	653	658	671	673	651	0	23	37	681	0 50	607	74
2				661	659	640	647	659	660	662	669	661	659	660	659	647	636	634	629	623	632	644	655	662	670	670	669	653	0	23	13	679	16 10	617	62
3			✓	658	656	653	649	650	645	650	654	667	661	660	659	648	640	630	619	620	631	675	662	669	654	661	657	651	1	18	25	688	15 20	612	76
4				661	637	656	652	645	642	639	628	657	677	678	678	654	640	629	637	638	639	650	669	655	660	677	670	653	1	22	15	708	1 35	587	121
5				670	671	649	643	654	660	662	677	670	672	673	655	642	630	626	623	622	639	647	658	656	665	671	665	654	1	22	26	680	15 32	616	64
6			✓	636	675	666	667	669	672	661	664	689	690	682	660	643	632	632	631	630	641	642	658	699	653	666	668	659	1	20	20	743	0 40	599	144
7				669	660	659	657	656	664	670	671	672	684	675	662	649	642	633	629	640	641	642	645	650	660	649	652	655	0	9	58	694	15 15	608	86
8	✓			658	654	662	645	642	647	659	672	679	678	668	647	628	624	620	623	632	641	641	649	651	653	652	651	649	0	9	17	686	12 56	617	69
9	✓	✓		651	657	652	652	657	659	660	670	680	689	687	668	649	633	624	629	633	639	643	650	650	651	651	650	654	0	9	40	690	14 14	617	73
10			✓	649	649	648	649	648	648	649	658	679	688	679	664	632	617	600	606	640	644	660	668	679	669	670	669	653	1	19	54	700	14 43	596	104
11			✓	650	657	656	639	648	659	656	643	643	661	636	628	634	615	619	619	622	643	646	685	661	664	670	673	647	0	23	58	676	14 19	597	79
12	✓			670	655	637	641	632	652	670	669	682	687	686	674	657	639	627	623	629	632	640	644	649	652	654	655	652	0	9	20	691	15 09	620	71
13	✓	✓		656	652	654	655	653	657	660	669	683	687	682	669	649	630	610	611	619	630	640	646	650	654	652	653	651	0	9	20	689	14 50	608	81
14	✓	✓		654	658	652	650	649	654	658	663	679	690	691	675	649	627	618	618	627	639	641	642	648	649	651	652	651	0	10	00	698	14 52	614	84
15				655	651	649	652	650	651	659	669	680	688	689	678	660	639	627	619	623	639	644	648	656	659	657	653	654	0	9	48	692	15 45	611	81
16				660	658	657	659	651	660	664	670	679	687	690	678	652	629	608	607	613	622	647	644	650	660	664	662	653	0	10	30	698	14 58	592	106
17				651	649	648	647	642	650	659	667	679	688	688	680	659	642	619	617	627	633	648	654	652	657	659	663	653	0	9	39	692	14 29	612	80
18	✓			658	654	650	648	649	650	652	664	677	687	686	670	649	642	637	638	637	640	644	647	650	651	652	652	654	0	9	56	689	16 22	628	61
19	✓			651	649	649	649	650	651	653	664	677	682	673	653	641	639	630	629	631	637	642	642	647	648	654	649	650	0	9	25	691	16 16	628	63
20				649	649	650	651	648	650	651	659	673	680	678	669	649	630	631	632	637	645	649	652	655	651	650	657	652	0	9	24	684	13 55	620	64
21				659	652	647	649	661	661	669	680	689	697	692	664	645	631	627	626	629	631	640	668	641	650	677	649	656	1	10	00	704	14 49	617	87
22				650	656	653	629	647	655	659	668	679	681	673	653	637	628	619	620	629	637	638	644	650	652	652	650	648	0	9	10	690	14 28	608	82
23	✓	✓		649	648	648	648	649	649	649	662	673	681	685	681	645	640	643	650	655	655	651	652	646	646	646	651	654	0	10	07	691	13 41	637	54
24	✓	✓		648	650	648	650	651	653	660	661	670	678	677	668	639	620	618	619	629	635	641	644	650	651	653	652	649	0	10	08	679	15 10	612	67
25				648	650	651	653	650	651	656	661	670	674	660	654	637	618	612	609	619	638	641	647	653	657	656	654	647	0	9	10	679	15 15	603	76
26			✓	658	658	653	650	651	639	641	638	627	648	661	649	648	643	629	627	630	641	642	667	669	663	662	665	648	1	10	17	684	14 38	617	67
27	✓			672	673	654	639	638	622	633	631	653	657	665	665	657	648	637	631	629	636	643	644	646	652	655	649	647	0	1	06	681	5 24	615	66
28				646	644	642	639	645	646	648	652	664	665	665	664	643	632	623	621	624	634	638	642	644	647	647	646	644	0	9	22	673	15 45	614	59
29				642	643	639	640	638	627	647	635	642	655	664	665	644	636	624	612	616	635	662	646	647	649	651	646	642	0	18	35	674	16 02	603	71
30				645	644	643	639	625	632	633	633	646	655	660	656	654	643	632	621	624	633	655	644	647	663	655	652	643	1	9	28	670	17 00	604	66
31																																			
MEANS ALL DAYS				654	654	651	648	648	650	654	659	670	677	675	664	646	634	625	624	629	638	646	652	654	656	658	657	651							78
MEANS TEN DAYS ✲				657	655	651	648	647	649	655	662	675	682	680	667	646	634	626	627	632	638	643	646	649	651	652	651	651							69
MEANS FIVE DAYS † (G. M. T.)				651	652	650	651	650	651	656	665 662	677 676	685	684	672	646	630	623	625	633	640	643	647	649	650	651	652	651							
MEANS FIVE DAYS ‡ (G. M. T.)				664	656	652	646	644	648	654	648	661	670	664	652	641	629	622	620	628	640	653	668	675	661	666	666	651							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧖ = NO RECORD

TABLE 286

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1943 — MAY 1943

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	644	639	637	630	620	625	626	635	643	654	656	655	644	638	622	640	624	646	694	664	670	685	692	697	649	1	18	24 744	14	33 598	146
2				664	684	643	624	608	632	612	623	644	643	645	652	648	642	637	627	647	684	653	664	670	672	683	654	648	1	16	56 734	4	11 583	151
3				645	648	652	647	644	644	644	645	648	665	664	654	643	633	628	624	625	636	642	643	656	657	668	669	647	0	20	11 677	0	01 613	64
4				654	650	648	644	637	638	624	607	653	664	670	664	647	635	623	621	620	627	636	642	647	652	653	653	642	0	10	36 675	7	15 585	90
5				653	652	647	646	653	643	636	645	656	662	660	655	637	627	612	614	625	636	645	643	648	652	655	655	644	0	9	36 674	14	10 604	70
6	✓			652	648	646	645	646	645	644	644	652	654	662	654	647	642	629	628	634	637	642	642	646	652	656	660	646	0	10	12 664	15	05 623	41
7	✓	✓		652	647	645	644	646	645	648	647	655	664	663	653	644	637	633	628	627	636	640	645	646	647	647	647	645	0	9	35 672	14	43 622	50
8	✓	✓		645	644	642	644	644	646	648	645	655	664	664	663	645	633	629	624	628	637	642	645	647	649	650	650	645	0	9	38 668	15	40 622	46
9	✓	✓		648	645	644	644	646	646	646	644	655	664	670	668	654	644	635	627	623	634	642	645	649	650	648	651	647	0	9	40 673	15	50 621	52
10	✓			652	644	645	645	649	648	647	644	654	662	665	666	649	637	631	622	628	635	636	639	644	647	653	653	646	0	11	37 667	15	40 613	54
11	✓			654	654	655	652	647	647	645	645	656	663	664	659	640	633	623	624	630	638	642	645	645	646	648	650	646	0	10	10 666	14	46 622	44
12				645	645	645	644	646	645	645	647	656	664	661	643	633	635	622	608	625	635	642	645	646	646	646	644	642	0	9	09 666	15	40 602	64
13				644	644	646	645	644	647	651	652	655	664	660	647	634	632	616	613	607	640	639	637	655	655	662	665	644	0	23	51 674	16	26 589	85
14				654	645	651	652	658	655	654	655	655	662	657	640	637	636	633	625	626	632	636	645	654	654	655	655	647	0	10	07 673	17	17 622	51
15			✓	639	648	648	649	651	652	647	644	649	628	635	651	632	634	622	613	609	625	634	666	636	649	655	655	640	1	19	11 695	16	28 589	106
16				645	646	649	651	643	645	646	645	650	656	659	653	644	634	626	625	626	632	633	632	642	643	644	649	642	0	10	27 661	14	13 613	48
17				647	646	655	663	652	659	655	640	644	659	665	654	652	643	615	616	615	637	642	645	650	655	655	655	647	0	3	00 675	15	06 602	73
18			✓	654	647	646	654	635	642	645	645	644	642	654	653	628	605	615	625	634	631	652	656	643	653	654	654	642	1	18	51 707	13	50 593	114
19				655	647	649	641	642	645	632	643	655	662	656	652	629	627	614	616	624	634	644	648	664	674	663	664	645	1	20	59 704	15	10 604	100
20	✓			654	653	651	650	618	634	642	645	652	656	656	655	653	645	640	632	633	637	641	639	648	652	654	654	646	0	9	31 665	4	32 597	68
21	✓	✓		654	655	655	652	649	647	647	645	647	649	652	654	648	649	645	637	628	636	642	644	645	647	647	648	647	0		45 657	16	30 625	32
22	✓	✓		649	644	644	645	646	648	647	642	644	655	660	664	663	652	642	633	634	644	646	646	647	648	650	647	648	0	12	09 666	16	00 623	43
23				645	647	644	644	643	643	643	643	641	644	653	654	645	640	632	622	624	634	654	653	643	650	654	653	644	0	19	00 671	16	14 613	58
24			✓	653	644	645	644	633	635	632	627	630	641	624	634	653	644	640	633	633	643	645	647	652	653	680	665	643	1	22	33 703	10	50 602	101
25				670	673	659	651	647	643	634	624	633	635	644	652	649	635	635	631	627	642	655	666	661	677	664	655	648	1	21	53 707	7	56 607	100
26				665	654	632	643	642	627	638	634	644	647	653	655	654	645	637	633	635	643	646	651	653	656	665	664	646	0	0	36 677	2	48 606	71
27				662	659	648	645	644	634	636	626	636	645	655	652	645	634	624	622	634	643	647	650	651	654	655	654	644	0	0	57 667	14	40 612	55
28			✓	654	643	635	634	644	633	622	626	638	653	654	655	649	652	634	628	639	665	671	653	672	670	673	672	649	1	17	50 693	5	55 592	101
29				645	641	634	627	627	634	633	623	624	640	654	654	648	637	633	626	644	655	647	648	654	664	655	651	642	0	21	19 673	8	24 601	72
30				645	644	644	633	634	636	644	645	652	654	654	653	640	634	627	634	629	640	645	650	652	653	654	653	644	0	9	25 659	3	15 612	47
31				644	643	641	638	644	644	640	643	648	651	652	645	634	633	632	631	634	642	645	646	647	653	654	655	643	0	22	09 657	14	48 622	35
MEANS ALL DAYS				651	649	646	644	641	642	640	639	647	654	656	654	644	637	629	625	628	640	646	648	651	655	658	656	645						72
MEANS TEN DAYS ✲				650	648	647	646	644	645	645	644	652	658	661	658	648	640	634	629	630	638	642	644	646	649	651	652	646						46
MEANS FIVE DAYS † (G. M. T.)				648	645	644	644	646	646	646	645 644	651 650	659	662	660	651	643	637	630	628	637	642	645	647	648	648	649	646						
MEANS FIVE DAYS ‡ (G. M. T.)				656	658	647	639	633	640	632	631	641	644	645	650	641	635	627	628	628	642	659	657	655	662	671	669	645						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED — △ = RECORD OFF SHEET

[ ] = ESTIMATED — □ = CLOCK STOPPED

▽ = LAMP OUT — ⍋ = NO RECORD

TABLE 287

DECLINATION

JUNE 1943

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				647	644	641	642	641	642	641	637	653	662	663	657	648	642	641	633	624	635	642	643	643	643	646	653	644	0	10	665	16	623	42
2				651	648	642	643	640	623	639	642	653	659	664	653	651	642	631	631	634	635	642	637	641	646	647	651	644	0	10	665	5	614	51
3	✓			653	653	652	647	645	644	644	643	648	656	655	651	647	642	632	631	633	640	644	646	647	652	651	652	646	0	9	663	15	623	40
4	✓	✓		653	647	647	644	642	643	644	642	637	645	652	648	643	640	636	631	633	641	643	646	647	648	648	648	644	0	10	654	15	627	27
5	✓			647	645	644	643	642	643	643	644	653	655	658	657	642	633	633	634	634	642	645	651	646	652	653	653	646	0	10	664	14	626	38
6				652	647	641	638	642	643	643	634	633	643	647	639	637	644	639	637	641	646	647	647	647	652	652	651	643	0	0	656	8	625	31
7				647	645	644	642	643	643	642	642	644	652	660	663	654	644	638	632	636	645	646	645	653	654	654	657	647	0	11	664	15	628	36
8			✓	651	644	645	644	637	642	638	643	637	663	664	661	652	637	621	613	609	641	639	630	637	655	666	673	643	1	22	694	16	600	94
9			✓	663	632	656	653	651	644	633	644	647	652	653	643	632	643	633	628	626	657	645	644	655	666	669	664	647	1	21	685	16	614	71
10				655	656	645	635	650	648	648	646	653	654	653	643	634	630	623	615	627	641	669	649	654	654	656	653	645	1	18	755	15	605	150
11				654	644	645	643	654	652	630	649	649	652	653	650	645	643	635	632	634	635	633	639	654	652	656	665	646	0	23	672	6	617	55
12				665	656	645	649	645	650	649	644	643	644	646	648	643	645	634	610	629	628	627	634	647	655	657	659	644	1	0	684	15	603	81
13				647	648	648	634	645	649	647	646	652	643	644	642	637	642	635	632	633	638	643	645	664	663	661	655	646	1	20	695	9	622	73
14				650	653	653	638	645	640	642	644	645	630	644	649	635	637	614	623	633	636	654	647	652	653	655	654	643	0	20	665	14	613	52
15	✓			647	641	642	643	643	644	646	647	648	654	655	647	643	637	627	625	632	639	645	646	647	651	650	650	644	0	10	655	15	623	32
16	✓	✓		646	647	644	643	643	644	644	643	645	654	659	654	639	640	634	632	633	639	643	645	650	653	654	653	645	0	10	662	15	625	37
17	✓	✓		652	651	651	647	644	644	644	639	642	646	655	654	654	651	648	635	630	639	646	652	647	649	649	650	647	0	10	656	16	628	28
18	✓	✓		647	645	644	643	644	641	641	642	644	655	660	663	662	654	640	629	626	635	640	644	644	646	649	650	645	0	11	665	15	625	40
19				647	648	645	644	643	644	641	638	643	652	664	664	655	649	637	633	635	645	644	646	646	647	648	648	646	0	10	665	15	628	37
20				665	653	638	634	635	627	634	635	596	612	638	643	647	644	636	635	634	636	655	643	652	655	664	662	641	1	0	678	8	582	96
21				645	648	634	634	634	633	633	622	615	625	640	652	650	643	633	624	627	635	654	647	654	664	664	673	641	1	21	683	9	610	73
22				654	640	623	634	636	634	638	637	643	645	646	644	643	636	625	635	647	644	651	655	670	662	653	653	644	1	16	686	2	600	86
23			✓	654	642	641	643	637	622	626	634	644	652	653	651	641	634	642	634	635	647	646	650	666	674	651	671	645	1	21	735	5	607	128
24			✓	682	656	642	643	626	638	626	617	623	633	644	649	641	653	645	646	645	643	659	667	662	659	654	653	646	1	0	691	8	606	85
25				636	617	628	644	645	644	639	636	627	630	644	637	643	636	633	634	643	645	673	656	656	662	653	654	642	0	18	695	1	604	91
26	✓			645	631	637	643	636	630	632	634	636	645	654	653	646	644	638	634	635	644	646	645	647	657	651	649	642	0	21	673	5	617	56
27				646	644	641	639	636	641	637	642	642	654	653	646	642	634	632	627	632	636	644	646	652	654	653	655	643	0	23	666	16	623	43
28			✓	646	642	637	636	636	634	613	635	649	654	656	653	647	634	630	613	617	626	634	643	663	654	656	654	640	1	20	673	16	603	70
29	✓			647	652	647	603	637	642	645	643	642	642	643	634	630	634	625	623	630	641	641	645	647	647	646	646	639	0	1	655	3	571	84
30	✓	✓		645	644	644	643	642	641	639	641	651	657	655	646	636	632	627	633	638	645	644	650	646	653	653	652	644	0	9	664	14	630	40
31																																		
MEANS ALL DAYS				651	645	643	640	641	640	639	640	641	647	652	650	644	641	633	629	632	640	646	646	651	654	654	655	644						62
MEANS TEN DAYS ✻				648	646	645	640	642	642	642	642	645	651	655	651	644	641	634	631	632	640	644	647	647	651	650	650	644						42
MEANS FIVE DAYS † (G. M. T.)				648	646	645	644	643	643	642	641 641	644 645	651	656	653	647	643	637	632	632	640	643	647	647	650	651	651	645						
MEANS FIVE DAYS ‡ (G. M. T.)				657	643	644	636	642	643	638	637	640	651	654	651	643	640	634	627	626	643	645	647	657	662	659	663	645						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

▢ = APPROXIMATE, MAGNETIC STORM

[ ] = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⍋ = NO RECORD

TABLE 288

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1943 — JULY 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		644	642	641	640	640	640	639	639	640	648	650	651	649	640	630	622	625	633	638	639	643	644	644	644	640	0	9	55	654	15 28	621	33
2	✓			641	640	640	636	633	633	632	631	636	644	658	661	652	640	621	620	630	633	641	643	644	645	644	641	639	0	10	57	666	15 30	615	51
3				639	634	633	631	630	631	633	623	632	643	651	650	626	628	620	610	629	633	640	642	646	648	653	651	636	0	22	16	656	15 45	603	53
4			✓	642	636	634	633	632	632	633	632	639	643	652	653	651	641	632	622	624	638	637	637	640	644	651	652	639	1	11	07	663	16 08	614	49
5			✓	731	681	660	661	599	652	642	644	647	644	631	632	631	629	628	611	618	626	640	652	651	661	687	670	647	1	0	48	794	4 21	572	222
6			✓	661	650	633	626	637	640	599	605	628	634	637	633	633	631	622	621	614	623	650	629	632	649	651	662	633	1	18	35	692	6 35	573	119
7				640	645	646	639	612	631	633	610	634	641	651	649	640	631	621	622	626	632	634	633	640	642	649	668	636	1	23	19	701	7 28	603	98
8			✓	645	639	636	634	626	621	620	627	622	631	650	648	650	636	626	613	620	629	631	675	644	649	658	652	637	1	19	40	705	8 57	602	103
9			✓	650	641	641	604	606	629	636	638	640	647	651	650	641	632	622	608	611	620	632	662	640	648	658	655	636	1	19	14	703	17 11	600	103
10				656	654	626	636	630	616	633	633	637	642	651	631	632	621	624	616	621	638	646	654	645	651	657	651	638	1	17	52	703	2 07	602	101
11				652	637	641	631	639	640	636	631	632	641	643	643	639	632	621	610	611	616	622	638	647	684	654	647	637	1	21	17	732	15 01	595	137
12				651	634	649	641	634	637	636	615	623	649	654	650	641	640	633	622	613	631	632	641	648	644	646	652	638	1	10	22	663	8 07	605	58
13				640	641	643	642	623	631	636	638	644	631	650	652	647	630	621	621	628	632	639	641	640	644	649	662	639	1	23	40	684	4 54	601	83
14	✓	✓		661	643	640	633	629	631	631	632	640	653	659	654	642	633	631	622	629	637	637	640	641	642	642	642	639	0	0	03	674	15 42	621	53
15				642	641	641	641	640	641	640	639	646	662	663	652	633	629	617	618	621	622	624	629	641	642	651	652	639	0	22	45	673	16 05	613	60
16				651	650	643	641	634	638	640	641	649	653	661	662	659	640	616	610	611	617	619	626	632	642	650	653	639	0	10	44	672	15 25	607	65
17				652	650	642	641	630	630	637	638	648	653	651	648	639	631	630	628	630	633	638	641	643	646	648	651	641	0	9	29	661	4 45	612	49
18				657	645	641	639	631	635	630	621	642	653	657	658	643	632	634	631	635	638	634	645	651	670	672	664	644	0	22	03	712	7 05	611	101
19				659	650	639	636	608	629	625	609	634	648	652	661	663	652	631	630	632	635	641	642	644	646	650	643	640	0	0	30	672	4 28	596	76
20				657	652	631	630	626	622	623	626	641	657	670	664	642	639	632	627	625	632	636	642	643	649	648	643	640	0	10	19	672	5 30	607	65
21				641	642	636	632	633	632	632	631	623	627	648	651	641	623	612	613	629	633	636	648	642	656	653	652	636	0	21	28	663	14 20	608	55
22				638	634	633	641	635	632	630	630	642	653	663	654	646	633	624	628	631	634	652	640	652	663	654	648	641	1	21	27	681	14 19	612	69
23	✓			644	635	631	622	622	621	623	634	651	662	663	654	633	631	621	622	630	635	637	642	646	649	646	646	638	0	9	55	669	5 04	613	56
24	✓	✓		642	632	631	624	630	633	635	641	650	653	660	661	645	626	620	616	621	632	640	641	642	643	643	641	638	0	10	35	662	15 30	611	51
25	✓	✓		634	633	633	634	635	635	636	641	653	670	673	672	653	641	624	622	630	635	641	643	643	644	642	642	642	0	10	30	675	15 26	620	55
26	✓			640	635	633	632	630	634	638	641	651	662	668	665	641	630	621	621	625	637	640	642	642	643	643	642	640	0	10	20	672	15 20	619	53
27	✓			642	641	631	640	622	633	637	650	662	672	663	654	642	625	621	621	621	632	635	637	640	642	650	655	640	0	9	23	678	4 26	612	66
28	✓			640	639	639	638	637	637	637	638	648	659	663	665	652	629	620	620	621	632	639	642	648	663	643	641	641	0	10	43	672	15 00	619	53
29	✓	✓		637	635	633	632	630	631	634	640	648	652	655	653	654	642	625	622	632	639	641	642	643	642	642	641	639	0	10	19	661	15 10	617	44
30				641	634	633	635	638	637	639	635	642	653	655	652	635	632	621	622	625	624	630	636	644	648	692	673	641	1	22	36	722	14 41	612	110
31				642	641	632	623	635	638	637	632	624	637	642	643	641	640	623	624	627	620	632	647	639	650	650	645	636	0	21	32	662	3 03	601	61
MEANS ALL DAYS				649	642	638	634	629	633	633	632	640	649	655	652	643	634	624	620	624	631	637	642	643	649	652	651	639							76
MEANS TEN DAYS ✻				642	638	635	633	631	633	634	639	648	658	661	659	646	634	623	621	626	634	639	641	643	646	644	644	640							52
MEANS FIVE DAYS † (G. M. T.)				640	637	636	636	635	636	637	639 637	646 646	655	659	658	649	636	626	621	627	635	639	641	642	643	643	642	640							
MEANS FIVE DAYS ‡ (G. M. T.)				668	654	641	633	617	634	629	626	635	640	644	643	641	634	626	615	617	627	638	651	641	650	661	658	638							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 289

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1943

DAY	✱	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1	✓			641	633	640	638	639	638	636	650	652	654	656	651	631	612	613	611	612	617	625	634	673	642	651	649	637	0	20	12	705	15	15	601	104
2				648	673	643	637	636	632	642	645	668	670	662	639	609	602	601	621	625	636	635	647	645	652	671	679	642	1	23	17	690	14	11	592	98
3				662	651	631	642	643	637	640	624	643	652	651	652	631	621	600	611	602	640	631	637	642	670	655	653	638	1	21	40	697	14	55	591	106
4				650	639	642	640	639	641	640	631	648	666	671	663	663	650	630	606	622	622	632	631	642	653	657	665	643	1	20	45	692	15	25	601	91
5				654	642	630	631	624	622	614	624	638	644	644	652	650	630	616	624	621	640	638	639	642	666	684	677	639	1	22	43	701	6	13	607	94
6	✓			671	653	642	641	630	636	641	642	654	660	658	653	643	632	619	612	625	622	622	631	633	641	650	651	640	0	0	26	674	15	41	603	71
7				647	646	636	643	630	636	640	645	653	663	668	663	643	622	598	602	612	650	641	652	656	648	653	656	642	1	17	50	716	14	28	592	124
8			✓	635	636	636	639	636	640	640	635	643	659	673	665	648	622	604	607	612	612	613	614	657	651	706	728	642	1	23	03	766	19	00	582	184
9				711	699	670	652	633	644	650	639	584	595	661	650	641	625	611	602	613	632	640	649	662	663	673	667	644	1	0	02	735	8	10	562	173
10	✓	✓		662	650	635	637	636	639	635	632	638	659	674	672	662	657	648	634	628	631	641	640	641	641	642	642	645	0	10	20	683	7	46	621	62
11	✓	✓		642	637	638	635	631	632	632	632	635	651	655	658	650	633	621	615	618	625	631	633	639	640	642	644	636	0	11	10	663	15	20	613	50
12	✓			642	637	633	633	634	632	632	632	644	662	673	678	661	632	621	610	621	630	634	637	639	641	642	642	639	0	11	10	683	15	25	606	77
13			✓	642	638	627	626	629	635	632	613	621	652	652	654	639	613	607	610	610	642	670	693	682	683	655	662	641	1	20	54	757	7	45	592	165
14				662	655	622	600	635	578	621	620	635	644	658	668	661	642	637	625	627	631	642	671	658	661	655	652	640	1	20	00	732	5	33	507	225
15				621	624	650	623	603	612	586	591	629	651	661	663	654	631	627	629	631	632	635	638	642	652	652	648	633	0	11	20	671	7	04	553	118
16				642	642	649	603	640	621	622	627	633	642	643	646	640	622	637	634	610	627	652	662	654	652	645	639	637	1	19	00	708	3	10	588	120
17				630	611	621	633	630	622	624	633	643	650	658	652	633	621	609	611	631	633	652	651	642	642	647	662	635	1	23	34	685	1	51	600	85
18				647	621	623	635	616	612	626	634	636	644	656	658	655	642	632	621	615	641	723	647	677	663	646	641	642	1	18	10	863	1	48	589	274
19				621	639	630	629	632	633	637	643	652	658	661	652	627	617	609	603	604	613	645	644	663	678	672	659	638	1	20	01	705	16	34	594	111
20			✓	662	640	633	655	617	636	633	611	601	636	652	652	650	631	620	604	611	612	662	643	641	660	654	650	636	1	18	48	725	8	08	581	144
21	✓			641	639	624	631	631	631	625	624	611	612	641	661	647	641	621	625	633	639	638	639	641	662	645	641	635	0	21	21	682	8	52	592	90
22	✓	✓		638	635	634	632	631	630	630	635	650	661	675	680	668	649	630	621	620	628	633	635	641	640	638	637	640	0	11	26	683	16	18	615	68
23	✓	✓		637	636	630	631	636	631	625	626	640	654	662	661	653	642	628	620	617	621	624	626	632	634	643	641	635	0	10	35	666	16	42	611	55
24				643	638	632	633	635	630	621	598	610	631	653	661	652	629	611	612	621	625	629	634	639	641	642	653	632	1	11	37	662	7	42	579	83
25				663	634	636	633	632	625	620	632	652	657	651	650	641	632	629	623	626	632	633	635	640	640	655	667	639	0	0	49	685	6	31	612	73
26	✓			651	631	626	631	615	612	600	593	615	637	644	650	649	631	630	624	626	630	632	643	642	643	642	648	631	0	12	09	662	7	02	582	80
27	✓	✓		643	640	629	624	630	631	632	634	648	660	662	661	649	636	629	624	622	630	632	634	634	635	638	639	637	0	11	30	665	3	43	612	53
28				633	633	634	633	625	632	637	640	646	652	653	646	635	629	620	611	612	612	614	635	622	645	702	648	635	1	22	17	722	20	09	611	111
29				655	653	642	640	639	641	625	598	643	642	646	652	645	634	621	607	623	633	649	663	653	690	677	642	642	1	21	08	757	7	39	581	176
30			✓	652	641	631	600	627	640	642	642	649	660	655	642	648	631	622	610	611	606	618	633	685	692	691	718	644	1	23	18	740	3	35	583	157
31			✓	695	637	666	670	662	644	660	661	651	644	650	621	626	622	631	660	702	708	736	702	730	662	693	753	670	2	20	41	846	21	54	599	247
MEANS ALL DAYS				650	641	636	633	631	630	630	629	638	649	657	656	645	630	620	617	621	631	642	644	651	654	659	660	640								118
MEANS TEN DAYS ✱				647	639	633	633	631	631	629	630	639	651	660	662	651	636	626	620	622	627	631	635	642	642	643	643	638								71
MEANS FIVE DAYS (G. M. T.) †				639	636	633	633	632	631	629	632 626	642 635	657	666	666	656	643	631	623	621	627	632	634	637	638	641	641	638								
MEANS FIVE DAYS (G. M. T.) ‡				678	656	646	637	639	628	640	639	633	650	656	647	642	624	617	618	629	636	660	657	679	670	680	702	649								

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
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[ ] = ESTIMATED
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△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 290

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1943 — SEPTEMBER 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				683	652	648	633	635	644	646	652	661	655	677	679	665	650	642	626	636	640	653	649	655	671	653	640	652	1	20	14 723	20	28 602	121
2				663	663	643	633	636	636	636	636	644	659	666	659	645	634	623	616	621	612	632	653	652	662	675	654	644	1	21	51 714	17	11 605	109
3			✓	659	654	650	634	635	644	601	616	645	663	670	673	666	628	604	620	613	638	625	683	653	662	679	652	644	1	19	07 725	6	27 574	151
4				619	625	637	625	637	621	599	621	632	644	656	663	652	633	631	611	634	616	669	640	631	646	656	645	635	1	18	40 721	6	51 579	142
5				649	636	641	621	632	635	640	643	650	653	654	659	654	642	632	618	623	629	628	653	632	641	644	642	640	1	19	23 672	3	19 611	61
6	✓			630	648	635	630	624	627	622	633	652	665	673	673	660	636	613	613	612	626	631	647	637	638	641	635	638	0	10	57 676	14	51 602	74
7	✓	✓		637	632	631	635	637	635	639	642	653	657	663	661	650	637	621	612	613	621	632	632	634	634	641	642	637	0	10	31 666	15	50 611	55
8				633	631	630	632	632	630	633	632	642	652	665	663	652	638	621	611	611	621	630	635	642	641	642	635	636	0	10	45 671	15	23 601	70
9				640	635	624	646	653	619	621	623	631	632	644	652	639	626	621	621	612	631	652	632	642	645	676	658	636	1	22	53 687	2	24 589	98
10				641	633	629	635	632	606	599	600	613	634	648	663	666	643	627	618	620	635	686	651	639	638	645	652	636	1	18	34 743	6	24 590	153
11				653	651	636	630	622	613	602	619	643	657	668	664	656	642	626	622	625	627	632	633	635	665	664	635	638	0	22	00 706	6	02 591	115
12				643	641	637	633	623	581	591	631	651	664	674	673	653	629	615	612	619	657	662	664	640	633	635	633	637	1	19	38 706	5	16 560	146
13				636	632	643	611	626	629	633	641	643	656	662	659	645	630	615	611	614	622	618	664	653	651	651	654	637	1	19	28 684	3	10 600	84
14				627	643	621	613	626	633	635	643	640	663	666	665	642	631	622	612	617	615	639	646	647	647	643	635	636	1	9	55 674	2	46 599	75
15	✓			634	635	634	603	605	614	626	632	635	652	656	651	632	622	621	613	614	624	627	628	632	642	647	649	630	0	10	17 664	4	10 588	76
16	✓	✓		646	644	628	618	627	632	626	624	639	662	675	674	657	635	620	614	614	622	631	634	635	642	644	645	637	0	10	15 682	15	09 603	79
17	✓			646	643	633	626	616	625	626	628	653	664	666	659	645	632	618	614	614	616	627	633	634	637	637	639	635	0	10	04 674	4	50 606	68
18	✓	✓		633	633	631	627	622	629	627	631	649	657	657	655	636	624	621	619	624	628	632	633	632	633	632	631	633	0	9	25 668	14	50 613	55
19	✓			632	634	634	635	634	623	594	600	635	655	664	665	643	633	624	620	621	625	649	650	633	633	634	633	633	0	10	36 674	6	50 583	91
20	✓	✓		634	633	626	632	635	637	634	639	654	659	663	656	635	625	614	613	614	622	624	627	627	634	636	635	634	0	10	21 665	14	32 611	54
21				630	632	633	636	634	635	633	645	646	647	637	640	628	615	608	603	604	615	646	695	648	652	638	637	635	1	19	10 739	15	17 593	146
22				629	628	623	605	628	638	644	650	656	659	656	655	635	624	614	613	606	615	626	634	640	658	660	656	636	1	21	47 682	3	17 584	98
23	✓			635	614	624	519	622	633	639	646	656	663	660	656	645	627	612	613	621	629	628	637	646	637	636	637	635	0	9	06 675	1	15 595	80
24	✓	✓		643	638	633	628	627	624	625	634	654	662	661	652	628	613	603	599	603	615	625	628	628	633	634	636	630	0	9	54 666	15	40 595	71
25				635	633	635	633	627	631	633	644	654	665	666	655	633	601	585	578	601	617	625	638	641	653	648	638	632	1	9	30 669	14	46 563	106
26			✓	633	628	632	633	633	633	635	635	644	654	661	655	627	603	578	587	586	601	619	618	623	638	728	679	632	1	22	19 766	14	31 571	195
27				658	662	663	658	633	613	634	649	660	657	645	634	615	603	610	605	603	616	675	660	632	638	662	647	639	1	18	54 725	13	48 598	127
28			✓	639	625	601	611	642	620	635	644	634	638	647	635	605	582	593	602	619	633	621	637	676	665	654	653	630	1	20	27 700	13	54 570	130
29			✓	654	611	611	636	625	601	609	647	654	666	665	644	615	603	605	592	625	645	672	714	665	657	642	658	638	1	19	56 778	5	42 569	209
30			✓	666	662	676	633	632	650	641	653	666	665	654	644	627	622	623	609	634	636	644	676	634	633	635	628	643	1	19	02 776	15	58 603	173
31																																		
MEANS ALL DAYS				642	638	634	628	630	626	625	634	646	656	661	658	642	625	615	611	616	625	639	647	641	645	650	644	637						107
MEANS TEN DAYS *				637	635	631	625	625	628	626	631	648	660	664	660	643	628	617	613	615	623	631	635	634	636	638	638	634						70
MEANS FIVE DAYS † (G. M. T.)				635	635	633	632	629	629	624	634 630	650 646	659	664	660	641	627	616	611	614	622	629	631	631	635	637	638	634						
MEANS FIVE DAYS ‡ (G. M. T.)				648	640	638	633	628	611	619	639	649	657	659	650	628	608	601	602	615	631	636	666	650	651	668	654	637						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
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( ) = INTERPOLATED
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⊼ = NO RECORD

TABLE 291

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	641	639	604	613	611	572	610	626	636	654	648	640	635	611	609	614	617	631	634	637	653	667	684	678	632	1	22	31 707	5	25 562	145
2			✓	661	644	645	641	614	634	641	640	616	624	641	634	618	612	610	614	621	630	660	644	641	677	677	661	638	1	22	23 698	4	40 603	95
3			✓	640	671	620	657	639	639	647	657	646	641	648	638	626	614	603	631	614	684	668	656	636	644	652	666	643	1	17	58 717	2	25 577	140
4				644	646	641	636	633	615	616	646	660	666	666	660	646	626	624	621	620	647	646	646	656	646	645	644	642	1	20	49 699	6	25 596	103
5	✓			633	631	637	637	640	637	641	646	661	660	655	639	626	611	605	611	616	624	631	631	641	635	634	634	634	0	8	57 667	14	23 599	68
6	✓	✓		633	635	626	615	626	631	647	652	656	663	661	650	632	615	601	599	608	616	622	627	634	637	639	638	632	0	9	50 666	15	25 595	71
7				629	632	635	635	636	641	646	655	666	668	664	654	631	611	596	602	610	616	626	623	626	646	672	649	636	1	22	30 685	14	38 591	94
8				637	646	634	636	632	646	634	637	646	654	658	646	626	607	597	605	616	617	625	679	655	644	641	644	636	1	19	47 767	14	57 590	177
9			✓	631	637	650	613	636	644	636	634	640	646	641	636	624	615	592	626	600	615	654	656	646	660	652	637	634	1	19	05 687	14	40 569	118
10				601	616	624	625	606	612	626	648	654	654	651	650	627	606	595	601	626	622	630	636	638	653	640	650	629	0	21	23 669	0	32 568	101
11	✓			637	647	645	645	646	646	645	655	656	660	652	642	627	617	607	607	617	637	637	655	649	637	636	635	639	0	19	37 670	15	35 598	72
12				636	634	638	629	623	630	648	651	665	666	668	666	647	622	616	605	607	621	626	627	629	635	636	637	636	0	9	10 677	15	57 597	80
13	✓			637	636	637	637	626	636	629	639	657	669	667	650	638	626	616	610	614	620	627	627	637	656	638	637	636	0	10	00 677	15	58 607	70
14	✓	✓		638	637	635	637	636	637	637	647	657	667	665	655	636	617	606	603	616	620	623	624	626	627	631	633	634	0	9	44 671	15	30 597	74
15	✓	✓		636	636	633	636	634	637	637	647	664	677	683	671	646	623	606	597	607	615	623	624	624	627	629	630	635	0	10	02 687	15	20 595	92
16	✓	✓		635	636	637	638	638	639	642	655	667	675	667	649	627	607	594	591	601	612	618	618	621	626	636	640	632	0	9	37 677	15	32 587	90
17				638	633	634	633	637	635	639	659	677	686	687	667	637	610	588	578	591	612	614	636	654	637	636	635	636	0	9	40 689	16	00 576	113
18	✓	✓		637	637	631	629	627	631	637	657	672	677	677	657	629	616	606	603	608	616	618	623	625	627	642	635	634	0	9	05 678	15	20 599	79
19	✓			630	637	645	637	646	648	648	656	667	676	673	655	632	616	600	597	602	617	617	627	637	637	637	630	636	0	9	51 678	15	43 592	86
20				630	635	637	638	643	645	647	657	676	683	672	651	623	599	594	600	608	617	618	619	625	626	634	650	634	0	9	40 688	14	30 588	100
21	✓			644	656	647	649	648	648	646	657	653	657	648	646	626	607	598	602	613	618	626	627	629	629	629	630	635	0	1	41 668	15	00 597	71
22				637	638	638	638	639	646	652	660	668	676	666	645	627	612	604	579	582	608	618	657	641	642	648	628	635	1	19	34 689	15	47 577	112
23				645	646	630	645	648	644	647	668	655	646	640	632	618	606	599	607	618	623	625	628	629	641	653	639	635	0	7	11 671	0	01 591	80
24				637	638	638	638	639	638	644	647	652	643	646	648	628	603	588	578	579	606	656	631	658	663	656	668	634	1	18	16 690	15	48 575	115
25				663	658	650	648	638	627	614	636	648	655	647	638	638	627	611	599	600	607	634	637	659	638	648	648	636	1	20	04 689	16	36 593	96
26			✓	637	639	631	638	617	628	655	665	667	660	648	634	611	580	565	579	594	606	638	650	658	658	644	659	632	1	18	26 710	14	25 557	153
27				633	602	627	626	628	639	654	660	668	674	668	651	638	617	593	603	598	617	648	633	639	638	647	647	635	1	9	20 680	14	30 578	102
28				642	636	610	637	629	629	657	655	648	642	635	612	593	580	591	588	617	642	635	643	648	658	662	647	631	1	19	42 669	13	30 561	108
29				630	613	618	629	633	633	646	654	664	666	650	646	631	607	593	598	613	623	623	684	669	662	667	658	638	1	19	32 738	14	32 588	150
30				650	663	645	625	649	659	659	667	669	678	658	653	638	609	598	599	608	626	627	640	662	679	657	646	644	1	21	43 726	14	45 588	138
31				623	629	626	638	637	636	633	647	658	668	679	667	629	593	599	593	599	610	624	668	673	638	643	639	635	1	20	00 702	13	45 585	117
MEANS ALL DAYS				637	638	634	635	633	635	641	651	658	662	659	648	629	610	600	601	608	622	631	639	643	645	647	644	635						104
MEANS TEN DAYS ✲				636	639	637	636	637	639	641	651	661	668	665	651	632	616	604	602	610	620	624	628	632	634	635	634	635						77
MEANS FIVE DAYS † (G. M. T.)				634	635	637	636	638	640	642	652 654	663 668	672	671	656	634	616	603	599	608	616	621	623	626	629	635	635	634						
MEANS FIVE DAYS ‡ (G. M. T.)				636	636	631	637	624	628	637	650	641	645	645	636	623	606	596	613	609	633	651	649	647	661	662	660	636						

OCTOBER 1943

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 292

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1943 — NOVEMBER 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				648	651	658	637	620	634	644	645	658	668	668	657	638	613	594	610	613	618	648	638	649	638	654	644	639	1	20 55	689	14 50	587	102
2	✓			639	637	618	629	633	638	641	652	667	673	679	677	657	630	613	609	618	625	624	628	629	629	629	634	638	0	10 09	680	15 48	607	73
3	✓			629	630	636	632	633	639	640	649	659	665	664	660	643	624	609	599	605	614	619	624	627	630	630	634	633	0	9 37	669	15 50	598	71
4	✓			634	635	634	637	639	640	649	659	670	671	664	656	620	605	599	602	609	618	619	624	620	628	634	634	633	0	9 00	678	14 33	596	82
5				630	632	634	637	639	642	647	659	678	679	670	659	629	609	590	592	597	609	618	619	623	629	677	649	635	1	22 36	711	14 09	587	124
6				634	634	638	634	642	638	646	648	650	650	649	641	630	618	597	591	599	609	618	619	623	638	664	673	633	1	23 20	689	15 10	587	102
7				658	604	655	643	638	646	637	639	649	658	659	655	644	632	619	613	637	619	619	619	622	628	629	630	636	0	0 54	700	1 22	526	174
8				638	640	642	639	609	631	639	650	659	664	660	650	636	617	613	609	619	628	618	620	625	628	636	640	634	1	9 07	669	4 30	596	73
9				640	634	631	630	629	624	630	630	644	654	650	649	642	629	619	623	619	619	620	619	624	629	632	637	632	0	9 00	660	14 26	612	48
10				632	630	637	629	638	643	649	650	659	654	651	639	637	609	599	598	608	618	619	627	629	629	634	638	632	0	8 55	668	15 20	591	77
11	✓	✓		635	637	639	615	633	651	658	658	658	660	659	649	635	619	611	620	620	620	621	622	622	628	630	631	635	0	10 01	661	3 29	603	58
12	✓			634	636	635	635	638	640	642	651	653	675	674	665	645	620	603	601	610	611	615	621	625	630	630	635	634	0	9 52	680	15 10	597	83
13	✓	✓		635	633	632	626	632	637	648	660	670	670	668	655	640	625	616	615	619	621	623	625	625	630	634	635	636	0	9 30	671	15 00	609	62
14	✓	✓		638	641	640	636	636	632	647	663	667	666	660	649	638	621	613	606	610	617	620	621	621	625	629	634	635	0	7 57	674	15 33	602	72
15	✓	✓		640	640	635	630	636	639	640	648	651	653	658	647	634	622	610	602	602	605	611	618	621	620	623	630	630	0	10 20	660	15 50	600	60
16				630	640	640	645	649	651	660	659	660	667	660	640	618	613	600	597	604	611	619	620	631	644	651	649	636	0	10 10	671	15 33	590	81
17	✓	✓		640	635	630	623	633	630	643	654	654	651	640	630	620	610	605	601	602	610	620	621	621	625	629	631	627	0	7 07	669	15 40	599	70
18				630	630	630	631	635	641	650	659	663	660	650	640	625	603	590	590	598	604	619	628	621	630	637	630	629	0	8 26	676	14 55	582	94
19			✓	640	640	651	650	649	651	661	671	670	665	656	632	601	570	568	551	569	571	608	656	658	636	630	612	628	2	19 55	728	16 08	533	195
20			✓	648	625	630	619	649	659	669	638	654	660	659	634	619	593	597	579	590	622	627	645	640	634	633	635	632	1	19 14	693	15 40	569	124
21				631	640	642	630	630	647	668	681	642	644	642	630	612	600	591	596	593	629	631	638	639	660	652	661	635	1	7 41	691	16 09	576	115
22				624	651	643	633	640	659	669	670	665	660	651	640	619	603	599	596	607	621	619	621	651	661	657	646	638	1	21 00	682	14 54	590	92
23				622	636	642	631	642	650	674	680	679	664	647	621	606	601	598	606	609	625	628	624	641	661	646	639	636	1	8 00	692	14 09	588	104
24				630	636	636	631	671	656	641	674	680	680	660	635	619	601	595	591	603	612	621	626	640	641	681	660	638	1	22 38	715	0 55	571	144
25			✓	650	621	601	625	646	643	656	663	665	663	642	619	611	596	583	589	607	615	632	641	631	641	628	656	630	1	19 34	707	2 10	578	129
26			✓	635	636	641	644	645	647	659	671	680	664	655	636	610	590	574	581	606	603	612	620	637	646	670	655	634	1	23 11	711	14 55	569	142
27			✓	641	639	630	641	631	626	654	662	626	624	620	619	580	580	586	580	597	611	613	634	644	641	646	647	624	1	7 21	676	13 48	570	106
28				641	640	634	636	637	646	661	651	643	645	646	631	611	596	600	599	604	599	608	610	620	624	626	631	627	1	6 10	671	17 07	587	84
29				636	637	616	639	640	653	664	662	662	661	655	641	628	607	602	599	610	617	621	620	631	641	626	631	633	1	7 15	672	15 50	591	81
30	✓			651	659	660	651	639	652	661	664	666	662	651	635	623	616	604	605	609	611	611	616	618	623	634	640	636	0	2 41	675	14 53	601	74
31																																		
MEANS ALL DAYS				637	636	636	634	638	643	652	657	660	661	656	643	626	609	600	598	606	614	620	625	630	635	640	640	633						97
MEANS TEN DAYS ✻				638	638	636	631	635	640	647	656	662	665	662	652	636	619	608	606	610	615	618	622	623	627	630	634	634						70
MEANS FIVE DAYS † (G. M. T.)				634	637	636	635	639	641	648	657 656	660 659	660	657	646	633	619	611	609	611	615	619	621	622	626	629	632	633						
MEANS FIVE DAYS ‡ (G. M. T.)				639	636	635	634	638	645	662	661	659	655	646	628	604	586	582	576	594	604	618	639	642	640	641	641	629						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 293

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1943

DECEMBER 1943

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				651	643	642	642	642	649	653	652	654	652	649	642	634	629	622	621	617	613	613	621	621	622	627	632	635	0	8 20	658	18 21	612	46
2				642	632	630	637	622	637	653	665	673	672	660	646	627	610	602	598	602	611	621	616	620	622	628	656	633	1	23 53	711	15 44	589	122
3			✓	674	653	642	599	634	643	641	633	642	661	645	647	632	611	602	598	602	605	617	622	630	648	671	645	633	1	0 01	703	3 54	570	133
4				615	642	642	612	647	652	657	649	652	662	662	651	640	623	611	601	601	610	622	632	632	662	651	661	637	1	21 07	687	3 05	582	105
5				649	637	631	632	632	642	641	642	652	661	663	663	652	634	612	600	599	603	611	622	639	641	658	642	636	0	10 52	671	16 06	590	81
6	✓	✓		627	636	634	631	626	630	637	643	651	659	656	647	633	621	612	611	612	613	621	624	624	625	630	632	631	0	9 46	661	15 10	605	56
7	✓			632	632	632	632	633	643	652	662	662	665	658	642	628	615	608	603	611	617	622	627	633	632	634	632	634	0	9 49	670	15 50	600	70
8	✓			632	632	635	636	640	651	661	669	669	664	653	636	622	609	594	586	592	604	612	613	621	625	631	638	630	0	8 08	673	15 48	582	91
9				633	649	646	643	645	651	661	663	661	659	651	635	620	602	588	582	581	597	606	611	616	627	635	656	630	0	23 45	673	16 15	570	103
10	✓			662	651	641	642	650	653	662	666	662	656	650	631	611	594	588	592	596	602	607	626	654	642	651	655	635	0	8 02	673	14 30	582	91
11	✓	✓		646	642	641	641	645	648	653	651	646	651	652	644	631	613	603	604	609	613	613	615	620	623	628	633	632	0	7 10	660	14 37	601	59
12	✓	✓		642	648	643	636	638	644	653	663	670	673	667	654	635	611	593	592	595	603	613	618	620	627	633	642	634	0	9 40	676	15 40	589	87
13	✓	✓		643	642	641	642	643	648	653	658	664	672	668	653	627	604	585	586	602	612	618	621	623	625	628	633	633	0	9 20	674	15 00	581	93
14				635	636	634	627	628	636	643	652	663	672	672	663	647	628	608	598	596	598	602	608	620	629	652	677	634	0	23 23	695	16 54	591	104
15	✓			663	644	642	642	643	655	661	663	663	656	643	638	629	610	601	603	613	618	621	621	622	623	626	633	635	0	0 10	674	14 48	593	81
16			✓	635	640	643	648	644	636	653	668	677	672	669	631	602	579	558	554	563	583	586	592	645	662	643	694	628	1	23 05	727	15 15	541	186
17			✓	664	663	652	663	655	664	658	654	658	671	670	654	641	623	603	612	612	604	626	641	642	653	643	642	644	1	9 43	681	17 47	592	89
18				631	662	653	642	645	644	653	643	639	656	654	641	603	593	584	583	602	618	619	624	632	643	661	658	633	1	22 04	683	15 52	577	106
19			✓	667	656	644	621	634	644	658	662	673	667	652	645	634	613	597	582	585	601	633	622	662	644	643	649	637	1	20 30	709	15 40	573	136
20			✓	664	704	683	671	653	631	634	642	651	655	654	645	637	625	607	606	603	604	633	632	627	633	654	661	642	1	2 00	724	16 47	591	133
21				649	653	664	637	647	645	657	634	642	644	664	664	660	650	634	631	613	610	614	623	652	634	635	636	641	1	2 23	673	18 04	602	71
22				640	647	639	627	652	654	633	624	645	654	661	646	635	624	614	613	610	626	614	627	627	633	630	641	634	0	10 30	665	16 18	603	62
23				634	646	641	633	643	648	653	640	654	664	656	643	629	623	620	617	624	634	625	622	633	643	634	634	637	0	9 36	667	16 10	612	55
24				634	634	635	635	643	648	649	644	650	650	643	630	615	604	604	603	608	612	614	618	624	635	643	643	630	0	6 46	654	15 19	599	55
25				640	639	639	637	643	652	665	674	674	676	667	645	624	615	614	619	614	613	624	625	618	622	624	626	637	0	7 02	684	17 32	609	75
26				634	636	638	636	628	634	645	664	667	655	644	614	596	585	585	597	610	619	627	641	648	665	659	644	632	0	21 45	683	13 53	581	102
27				633	647	644	653	658	664	683	696	704	697	674	643	623	615	612	609	614	623	625	625	626	629	629	625	644	0	8 50	705	15 21	602	103
28	✓	✓		633	634	632	634	637	644	653	655	660	663	647	627	610	596	584	587	603	613	615	616	622	624	625	626	627	0	9 16	675	14 30	581	94
29				630	631	632	634	639	644	656	670	676	676	662	643	618	602	595	594	604	623	629	624	623	628	629	625	633	0	8 31	685	15 02	593	92
30	✓			643	636	632	632	635	644	648	654	664	665	654	629	603	583	573	576	597	614	616	617	620	629	650	645	627	0	9 00	668	14 40	567	101
31				643	644	638	641	644	653	662	672	684	691	684	664	650	627	613	603	597	596	604	622	623	634	643	654	641	0	8 57	693	17 29	592	101
MEANS ALL DAYS				643	645	641	637	641	646	653	656	661	664	658	644	627	612	601	599	603	610	617	622	630	635	640	644	634						93
MEANS TEN DAYS ✱				642	640	637	637	639	646	653	658	661	662	655	640	623	606	594	594	603	611	616	620	626	628	634	637	632						82
MEANS FIVE DAYS (G. M. T.) †				636	638	636	634	636	643	651	654 661	658 667	664	658	645	627	609	595	596	604	611	616	619	622	625	629	633	631						
MEANS FIVE DAYS (G. M. T.) ‡				645	665	659	645	649	647	652	644	660	665	658	644	629	610	593	590	593	599	619	622	641	648	651	658	637						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ = NO RECORD

TABLE 294

HORIZONTAL INTENSITY

23973 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120th MERIDIAN MEAN TIME)

JANUARY 1943 — JANUARY 1943

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			754	754	754	755	759	762	762	756	756	770	784	787	785	780	772	767	765	764	764	769	772	777	779	777	768	0	11	50	1	09	36
2				781	782	779	775	772	769	767	767	774	779	774	770	770	768	760	755	748	745	744	748	746	747	747	747	763	0	0	30	18	21	45
3				752	749	746	746	750	749	752	754	754	756	759	762	760	766	767	767	762	762	762	762	756	755	746	742	756	0	13	51	23	12	35
4			✓	752	758	763	762	766	769	770	774	788	796	786	774	769	763	762	747	748	760	757	723	729	770	746	741	761	1	9	14	19	25	83
5				743	774	738	730	737	738	735	736	720	712	713	720	733	734	736	732	726	724	736	739	742	742	738	750	734	1	1	22	9	41	101
6				747	744	734	733	733	740	753	748	736	729	727	722	726	732	740	737	736	735	732	732	740	742	744	748	737	0	6	54	11	34	44
7	✓	✓		759	752	746	746	746	747	749	746	739	740	741	741	744	746	746	745	745	746	746	747	747	749	750	750	746	0	0	05	8	41	31
8	✓			746	748	750	752	752	755	759	759	755	758	756	751	753	752	751	751	751	758	763	764	762	761	758	753	755	0	19	04	0	41	22
9				754	754	755	757	758	757	756	747	757	766	769	767	753	755	750	739	728	725	734	746	749	750	750	750	751	0	10	37	17	43	52
10				749	749	750	747	747	750	753	753	757	763	768	767	757	749	747	752	757	759	760	760	754	756	755	756	755	0	10	46	14	17	25
11	✓	✓		754	760	759	756	752	751	760	762	761	762	765	765	763	758	758	764	765	763	757	754	755	755	755	754	759	0	12	00	5	12	18
12				755	754	756	758	758	764	769	774	783	785	780	774	769	771	764	758	756	749	753	754	756	753	753	755	763	0	9	29	17	20	42
13	✓	✓		756	753	751	750	751	755	758	756	758	756	751	743	735	733	734	734	745	754	755	754	752	755	755	755	750	0	8	44	15	19	30
14	✓	✓		757	758	756	755	759	760	759	760	760	762	760	756	749	742	742	753	762	766	762	761	761	761	761	762	758	0	17	07	13	52	29
15	✓	✓		762	764	765	765	766	771	770	767	763	762	760	756	752	748	752	760	772	773	771	769	769	770	771	770	764	0	18	00	13	17	27
16				771	770	770	769	770	771	774	771	769	769	769	771	775	774	771	767	767	766	761	761	762	761	759	749	767	0	12	55	23	59	34
17			✓	744	749	758	752	751	753	756	757	758	763	774	792	797	797	779	764	765	773	750	722	715	719	738	766	758	1	13	35	21	17	97
18				749	747	746	753	748	745	751	754	757	751	746	745	749	746	746	742	740	745	746	748	742	739	740	742	747	1	3	57	16	38	32
19				742	747	759	747	744	745	747	746	747	754	754	753	747	747	741	739	745	748	745	747	749	742	743	747	747	0	2	30	15	20	27
20			✓	747	763	751	748	748	751	751	749	754	765	775	771	770	765	757	757	752	736	741	738	745	742	737	731	752	1	10	31	23	55	55
21			✓	732	752	739	732	735	733	714	705	706	703	693	711	734	738	720	718	710	715	703	703	711	721	737	735	721	1	1	48	10	38	96
22			✓	722	724	730	733	730	727	730	732	719	728	724	723	729	736	739	738	734	732	726	736	736	739	741	728	731	1	22	31	8	28	36
23				726	754	747	731	731	730	730	729	719	712	715	715	724	722	732	742	743	742	738	730	732	735	736	737	731	0	1	59	9	25	63
24				740	743	740	738	738	742	746	746	739	733	713	716	716	723	731	732	743	746	746	740	733	732	733	743	736	0	6	21	10	37	40
25	✓			743	748	745	746	744	742	743	742	740	743	738	729	729	726	735	746	750	748	744	745	742	744	747	748	742	0	1	17	13	51	30
26				746	746	746	746	750	753	756	751	743	732	721	726	725	725	732	741	750	728	715	739	740	743	744	748	739	1	23	58	18	15	59
27				753	743	743	743	743	746	746	748	753	756	753	739	736	737	743	747	753	754	752	749	754	740	741	742	746	0	0	17	21	30	34
28				750	757	753	748	747	750	754	757	755	748	736	722	714	718	741	751	755	743	725	720	718	729	734	735	740	1	0	52	20	07	59
29	✓			748	758	752	753	753	756	756	752	746	749	749	745	741	743	748	749	751	751	753	749	750	752	752	751	750	0	1	05	12	45	27
30				749	752	752	754	754	754	757	757	752	746	742	747	746	742	738	733	740	747	750	751	749	749	751	751	748	0	6	32	15	30	30
31	✓			755	753	752	752	752	753	756	755	753	756	755	752	747	748	742	742	743	747	753	757	757	757	754	743	751	0	9	45	23	22	20
MEANS ALL DAYS				750	754	751	749	750	751	753	752	751	752	750	749	748	748	748	747	749	749	747	746	746	748	748	749	749						44
MEANS TEN DAYS ✲				753	755	753	753	753	755	757	756	753	756	756	752	750	748	748	751	755	757	757	757	757	758	758	756	754						27
MEANS FIVE DAYS † (G. M. T.)				758	759	759	760	761	764	766	758 766	756 766	756	755	752	749	745	746	751	758	760	758	757	757	758	758	758	757						
MEANS FIVE DAYS ‡ (G. M. T.)				734	750	740	736	736	735	732	731	745	751	750	754	760	760	751	745	742	743	735	724	727	738	740	740	742						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 295

HORIZONTAL INTENSITY

FEBRUARY 1943

23973 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				753	759	760	762	761	763	758	748	744	745	747	751	756	758	755	753	750	750	752	753	752	750	748	748	753	0	5 58	764	8 47	740	24
2				753	754	755	756	754	753	756	756	750	748	748	753	759	763	763	757	761	763	762	764	765	760	765	763	758	0	22 59	769	10 07	746	23
3				766	773	770	771	772	767	765	759	745	747	758	766	775	769	763	761	754	740	749	739	738	735	741	747	757	0	12 34	777	21 29	733	44
4			✓	750	751	752	752	759	754	748	737	731	738	727	727	733	743	741	746	749	743	729	731	742	746	752	747	743	1	22 12	761	18 55	716	45
5				746	748	751	752	753	753	753	746	730	734	742	752	761	759	746	746	747	747	748	745	754	748	746	749	748	0	12 48	764	9 13	725	39
6				756	759	756	750	760	756	756	750	730	718	724	742	764	766	758	749	737	739	744	748	755	756	756	759	750	0	13 55	770	9 10	713	57
7	✓			767	764	753	750	754	757	760	757	739	721	710	708	716	731	737	738	745	751	753	754	754	756	756	756	745	0	0 49	772	11 37	706	66
8				753	759	759	755	754	754	763	759	749	744	740	749	757	759	763	761	753	752	748	746	750	751	754	754	754	0	14 47	767	10 44	738	29
9				761	762	759	764	768	769	774	774	768	752	744	744	746	747	753	760	755	745	750	756	758	760	762	763	758	0	7 02	776	11 57	737	39
10	✓	✓		764	759	759	765	766	765	765	761	756	752	749	747	749	752	754	757	760	761	768	769	764	757	755	754	759	0	19 49	771	11 46	745	26
11				758	762	775	769	766	767	769	766	763	762	765	775	767	751	736	730	737	743	750	749	747	753	751	751	757	0	11 42	780	15 11	713	67
12	✓	✓		751	751	751	751	753	753	754	753	745	747	751	762	768	768	763	755	754	752	747	744	750	755	762	764	754	0	13 16	770	19 31	742	28
13			✓	765	763	763	765	766	767	769	767	764	774	784	775	771	769	764	769	763	758	756	758	761	765	760	754	765	1	10 32	792	23 24	749	43
14	✓			755	760	761	761	757	755	752	751	755	755	754	757	759	760	759	767	766	766	756	758	765	765	765	765	759	0	15 38	771	19 21	750	21
15	✓	✓		763	765	766	766	763	761	762	757	755	759	769	777	773	768	761	760	755	752	752	757	757	753	754	754	761	0	11 27	778	17 32	747	31
16	✓			755	753	757	760	760	757	755	754	750	751	749	753	756	762	767	768	765	762	757	759	759	760	758	758	758	0	15 27	769	10 03	747	22
17			✓	757	767	768	768	775	782	780	779	786	777	761	759	752	741	737	732	718	726	715	738	730	734	738	748	753	1	9 17	790	18 56	677	113
18				742	743	743	739	734	742	741	735	727	722	709	705	709	718	721	723	726	735	740	746	746	751	747	750	733	0	21 20	758	11 14	702	56
19				752	755	755	754	754	754	755	749	733	720	717	725	728	727	728	729	735	741	751	747	748	745	751	755	742	0	22 55	763	10 07	710	53
20	✓			754	748	749	749	752	754	754	748	736	731	731	729	724	726	734	741	746	749	750	747	747	745	747	746	743	0	0 10	760	12 57	721	39
21	✓	✓		749	756	754	753	754	754	752	748	745	747	753	758	763	761	756	748	751	752	754	754	754	754	753	752	753	0	12 20	764	8 40	745	19
22	✓			754	752	749	747	746	752	754	754	754	763	770	770	766	762	759	756	758	756	748	751	754	755	756	755	756	0	10 56	772	18 31	744	28
23				755	758	757	758	759	761	759	756	742	739	743	744	741	736	738	747	749	748	756	761	762	752	755	757	751	0	20 32	764	13 56	732	32
24				756	756	760	757	756	751	752	752	749	750	754	747	740	741	747	750	753	750	747	750	755	752	752	754	751	0	1 58	767	13 29	737	30
25			✓	756	755	755	753	751	750	753	751	747	746	754	757	754	752	747	743	744	748	754	755	754	750	747	744	751	1	1 07	760	23 18	740	20
26			✓	748	758	781	757	754	751	743	726	729	712	713	713	709	709	719	711	718	719	726	735	738	741	741	741	733	1	2 02	808	9 57	701	107
27				742	727	740	734	730	732	737	742	739	729	721	719	719	712	718	719	720	724	719	723	723	724	733	738	728	0	2 51	767	13 32	707	60
28	✓	✓		742	743	745	750	748	747	748	749	741	731	724	719	717	723	727	734	743	748	752	756	754	753	751	751	742	0	19 32	757	12 07	714	43
29																																		
30																																		
31																																		
MEANS ALL DAYS				754	756	757	756	756	756	757	753	746	743	743	746	748	748	747	747	747	747	748	750	751	751	752	753	751						43
MEANS TEN DAYS *				755	755	754	755	755	756	756	753	748	746	746	748	749	751	752	752	754	755	754	755	756	755	756	756	753						32
MEANS FIVE DAYS † (G. M. T.)				757	757	760	759	759	760	761	754 758	748 755	747	749	753	754	754	752	751	753	753	755	756	756	754	755	755	755						
MEANS FIVE DAYS ‡ (G. M. T.)				747	747	755	749	746	747	745	740	751	749	748	746	744	743	742	740	738	739	736	743	745	747	748	747	745						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

□ = APPROXIMATE MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊠ = NO RECORD

TABLE 296

HORIZONTAL INTENSITY

23973 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1943 — MARCH 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			755	757	758	756	756	756	756	751	742	739	742	749	752	755	765	764	763	767	767	769	763	753	743	726	754	0	19 37	773	23 34	723	50
2				731	734	743	747	750	753	756	759	758	753	742	745	750	751	745	728	708	678	663	674	689	710	712	720	729	1	7 47	760	18 33	657	103
3				725	727	731	737	739	743	749	751	746	744	741	739	737	737	742	749	749	734	720	717	715	727	733	735	736	0	16 24	756	19 55	711	45
4				740	741	739	742	742	746	747	744	736	737	737	737	735	737	735	732	713	712	718	709	731	742	742	739	735	1	20 56	759	16 44	698	61
5				744	746	742	745	744	743	750	738	739	736	737	727	730	727	727	713	725	732	739	739	739	739	744	739	737	1	6 22	755	15 42	702	53
6				755	757	742	742	745	747	746	737	729	729	732	739	744	743	737	740	746	747	747	749	748	747	754	753	744	0	1 02	782	8 37	724	58
7	✓			749	747	747	747	759	757	752	745	731	724	719	725	734	737	738	743	747	750	753	753	751	752	749	747	744	0	4 31	760	10 05	716	44
8				750	747	748	751	754	753	750	745	741	739	733	726	729	732	733	733	730	730	730	739	740	742	742	745	740	0	5 10	756	11 22	721	35
9				741	750	751	749	752	755	751	747	742	738	742	753	758	759	753	740	740	741	743	742	746	752	750	748	748	0	1 50	765	17 15	735	30
10	✓	✓		750	748	750	751	751	751	753	755	751	740	737	739	741	740	739	739	741	748	752	754	754	755	754	760	748	0	23 22	763	9 52	736	27
11				751	747	749	748	749	753	754	755	751	744	735	726	721	721	724	731	739	742	747	747	746	741	750	754	743	1	23 03	760	13 00	719	41
12				772	784	780	758	754	757	769	762	754	744	733	732	728	749	750	750	750	750	750	747	735	743	746	769	753	1	2 03	794	12 23	723	71
13	✓	✓		744	739	747	748	744	741	741	741	737	733	729	729	734	739	740	740	742	745	749	751	752	751	750	751	742	0	0 01	764	10 26	726	38
14				750	750	752	752	755	754	753	754	752	748	735	725	732	744	746	749	746	745	752	754	753	753	751	753	748	0	23 01	758	11 52	722	36
15	✓	✓		751	753	753	753	754	755	756	757	752	751	754	753	754	756	758	759	762	760	757	757	756	757	753	751	755	0	16 54	763	9 19	747	16
16			✓	752	753	756	758	760	760	759	760	756	756	765	771	769	756	750	739	744	727	670	697	721	728	731	731	745	1	11 52	772	18 40	658	114
17				737	737	737	743	750	743	740	739	741	747	749	743	738	736	735	741	743	742	738	722	723	736	738	739	739	0	4 20	753	19 55	715	38
18	✓			743	742	741	742	743	743	742	740	739	740	746	745	739	738	745	740	734	737	745	747	747	747	747	748	742	0	23 43	749	16 42	731	18
19				747	759	750	748	749	748	748	742	735	733	733	741	747	745	747	746	751	754	755	758	759	757	754	757	748	0	23 59	770	10 10	730	40
20			✓	770	756	754	755	758	744	749	746	736	733	731	732	733	742	741	742	718	711	723	739	742	741	734	756	741	1	0 25	778	17 00	689	89
21				740	746	766	746	736	737	739	739	734	733	735	739	743	742	733	734	736	736	733	733	730	734	740	741	739	0	2 30	781	18 58	725	56
22				752	751	748	748	756	761	762	764	767	768	763	757	753	750	753	757	762	766	749	747	752	755	751	748	756	1	17 35	771	19 05	739	32
23			✓	742	745	749	760	775	756	740	737	717	716	720	727	708	713	710	702	704	715	724	743	745	742	737	737	732	1	4 03	782	14 52	682	100
24				748	746	743	748	746	742	736	735	739	740	740	738	738	734	723	717	730	737	739	740	745	743	742	742	739	0	0 37	756	15 41	711	45
25	✓	✓		752	754	741	741	742	743	742	742	736	733	735	735	732	734	738	742	742	741	743	745	747	747	746	746	742	0	1 05	762	13 07	729	33
26	✓			744	744	746	748	749	748	745	746	742	737	740	747	752	749	746	747	745	745	746	747	751	752	751	750	747	0	21 05	754	9 45	737	17
27	✓			753	749	748	750	753	753	753	752	751	749	754	761	761	764	764	761	758	757	757	756	756	752	749	745	754	0	14 00	765	23 59	743	22
28	✓	✓		744	748	753	757	759	752	752	754	754	751	749	747	738	736	735	736	741	749	756	757	754	756	756	757	750	0	4 02	762	14 40	734	28
29			✓	755	755	756	757	760	762	762	765	762	756	754	749	746	741	742	743	748	752	751	745	730	742	738	743	751	1	7 52	766	20 27	719	47
30			✓	738	747	758	769	782	708	718	691	693	695	695	695	692	690	691	695	704	700	678	690	704	698	712	713	711	1	4 10	818	10 18	661	157
31				716	721	721	732	733	734	729	724	722	715	711	707	701	708	708	709	719	723	726	728	722	725	726	722	720	1	4 10	750	12 42	698	52
MEANS ALL DAYS				746	748	748	749	752	748	748	746	741	739	738	738	738	739	738	737	738	738	736	739	740	743	743	744	742						51
MEANS TEN DAYS ✲				748	748	748	749	751	750	749	748	744	740	740	743	744	745	747	747	748	750	752	754	753	752	750	748	748						29
MEANS FIVE DAYS † (G. M. T.)				750	750	752	753	755	755	755	750 756	746 753	742	741	741	740	741	742	743	746	749	751	753	753	753	752	753	749						
MEANS FIVE DAYS ‡ (G. M. T.)				736	739	745	748	749	733	732	726	733	731	733	735	730	728	727	724	724	721	709	723	728	730	730	736	731						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[□] = APPROXIMATE, MAGNETIC STORM
(□) = INTERPOLATED
[□] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 297

HORIZONTAL INTENSITY

APRIL 1943

23973 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				737	740	730	733	733	737	722	715	726	725	710	709	709	706	714	712	707	700	701	703	701	704	707	709	716	0	0 53	756	17 24	693	63
2				715	726	740	744	734	730	733	731	728	722	726	722	711	704	697	707	711	720	726	724	720	717	739	730	723	0	22 32	752	14 26	688	64
3			✓	731	734	735	737	738	736	740	753	737	712	733	734	720	716	691	699	714	710	697	706	712	728	731	743	724	1	7 39	759	14 54	677	82
4				745	746	746	729	731	735	736	720	729	731	719	693	698	702	709	712	724	729	729	729	733	739	772	742	728	1	22 36	782	11 27	689	93
5				730	734	736	731	736	739	736	735	724	735	734	739	736	728	719	709	702	702	710	729	734	721	722	724	727	1	11 34	742	17 53	701	41
6			✓	757	755	729	729	736	732	728	733	737	735	736	738	737	735	732	736	728	697	706	685	694	713	727	736	728	1	0 39	785	20 00	666	119
7				729	723	724	728	733	735	734	732	737	736	722	717	724	729	734	731	734	739	741	741	729	722	744	737	731	0	22 36	754	11 09	711	43
8	✓			736	736	735	740	740	739	738	735	729	734	738	743	745	741	743	735	733	741	738	741	744	741	742	740	739	0	12 02	748	16 11	724	24
9	✓	✓		742	741	740	742	743	744	745	744	740	733	730	731	736	740	743	745	748	748	750	753	753	753	752	748	744	0	22 12	755	10 51	728	27
10			✓	747	748	749	751	752	752	750	752	747	743	739	734	724	713	705	689	698	691	678	655	668	683	704	713	720	1	4 03	754	19 40	649	105
11			✓	732	728	727	743	733	719	722	719	724	724	704	699	684	674	661	662	651	660	674	692	700	706	707	709	702	0	3 20	751	16 40	642	109
12	✓			721	718	721	730	739	732	728	735	731	735	736	733	730	727	723	728	731	732	733	735	729	732	734	735	730	0	4 02	747	1 53	714	33
13	✓	✓		733	735	736	736	738	738	738	736	734	731	728	728	730	733	735	736	743	748	749	748	749	748	747	745	738	0	18 06	750	11 16	726	24
14	✓	✓		745	747	745	747	748	749	749	755	758	755	753	752	750	746	746	748	752	753	754	753	753	752	751	751	750	0	8 31	758	0 25	743	15
15				749	749	751	751	756	759	759	759	756	753	751	751	751	748	745	751	755	755	755	750	746	748	745	750	752	0	7 35	761	21 11	742	19
16				747	747	752	757	758	760	760	763	773	773	770	763	759	750	736	727	737	731	741	739	736	733	743	752	750	0	9 01	775	15 05	720	55
17				747	750	752	749	752	752	752	755	758	757	753	745	743	741	733	724	735	741	744	747	749	750	747	749	747	0	8 18	759	15 55	720	39
18	✓			747	747	750	751	752	753	756	756	757	754	751	744	727	732	734	741	747	753	755	756	752	752	753	751	749	0	17 48	759	12 29	722	37
19	✓			752	754	755	757	757	758	760	762	762	758	750	748	745	744	744	747	750	752	751	753	755	750	752	753	753	0	7 51	764	14 02	740	24
20				753	754	755	754	755	755	756	759	759	759	759	758	754	748	744	751	756	759	758	744	738	748	754	753	753	0	9 53	760	20 40	732	28
21				764	761	755	757	756	753	755	757	752	747	736	735	733	721	717	726	734	743	738	726	741	741	731	731	742	1	0 51	781	14 14	706	75
22				740	740	739	755	745	747	747	747	745	744	743	743	743	739	739	739	729	734	735	743	746	747	747	744	742	0	3 31	760	16 41	719	41
23	✓	✓		746	750	750	750	752	752	754	756	754	749	743	737	733	733	734	738	745	753	756	759	758	759	757	757	749	0	21 54	761	13 56	730	31
24	✓	✓		758	758	760	759	762	763	764	763	760	758	754	751	748	749	748	747	748	752	753	754	755	755	755	755	755	0	6 10	766	15 42	744	22
25				755	757	758	758	759	760	760	760	759	757	747	744	742	736	723	727	740	746	750	747	743	741	743	742	748	0	7 58	762	14 52	712	50
26			✓	760	750	750	756	757	762	754	746	741	720	687	682	687	686	673	673	672	664	661	673	681	696	699	702	710	1	5 45	765	18 45	654	111
27	✓			706	710	717	718	725	726	731	736	733	726	727	724	718	709	704	707	718	728	732	733	734	731	737	733	723	0	22 29	750	14 47	700	50
28				737	736	738	739	740	741	742	746	749	750	746	736	728	718	718	723	732	741	744	747	747	746	750	753	739	0	23 59	754	13 53	690	64
29				755	759	761	765	762	760	760	753	757	753	747	744	739	727	739	696	705	708	708	722	732	730	729	733	739	0	4 10	768	15 30	691	77
30				738	751	743	739	743	747	748	747	749	752	744	725	717	725	710	702	717	710	684	723	726	720	729	732	730	1	9 38	755	18 06	669	86
31																																		
MEANS ALL DAYS				742	743	743	744	746	746	745	745	745	742	737	733	730	727	723	722	727	728	728	730	732	734	738	738	736						55
MEANS TEN DAYS ✻				739	740	741	743	746	745	746	748	746	743	741	739	736	735	735	737	742	746	747	748	748	747	748	747	743						29
MEANS FIVE DAYS (G. M. T.) †				751	752	753	753	755	757	756	751 758	749 756	745	742	740	739	740	741	743	747	751	752	753	754	753	752	751	750						
MEANS FIVE DAYS (G. M. T.) ‡				727	725	727	730	732	729	730	728	737	727	720	717	710	705	692	692	693	684	683	682	691	705	714	721	713						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 298

HORIZONTAL INTENSITY

23972 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1943 MAY 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM			MINIMUM			RANGE
																														H	M		H	M		
1			✓	733	736	746	740	746	748	745	741	749	751	725	694	685	682	653	664	676	648	679	689	680	705	710	695	709	1	9	28	754	17	15	637	117
2				708	714	726	738	720	714	706	706	705	720	718	712	702	700	703	713	700	705	702	714	716	707	708	723	712	1	3	48	752	16	52	677	75
3				726	727	734	729	727	726	727	732	723	728	728	726	726	720	719	721	728	733	733	731	729	723	722	725	727	0	20	19	746	14	40	718	28
4				735	735	727	729	731	733	742	757	772	768	757	747	729	713	716	731	737	737	736	733	736	737	738	737	738	0	8	26	774	13	47	704	70
5				737	740	744	747	744	743	748	752	753	751	749	745	738	735	728	721	725	742	745	741	731	727	734	733	740	0	8	32	756	16	25	718	38
6	✓			736	738	740	743	744	746	751	754	754	755	755	754	751	745	741	743	748	751	749	746	745	746	744	740	747	0	10	41	756	0	10	736	20
7	✓	✓		739	740	745	748	750	751	752	753	755	754	749	739	746	744	741	738	741	749	752	750	751	753	751	750	748	0	8	00	757	0	40	735	22
8	✓	✓		748	750	751	753	754	757	757	754	757	760	757	750	746	746	746	746	751	756	759	759	756	754	752	751	753	0	9	31	761	15	31	746	15
9	✓	✓		754	755	755	754	757	757	757	762	771	773	768	758	758	751	744	744	743	749	752	752	752	752	751	750	755	0	9	12	774	16	17	741	33
10	✓			747	749	752	752	752	755	757	762	768	767	764	760	751	751	755	759	766	769	766	761	758	758	759	755	758	0	17	19	773	0	40	746	27
11	✓			753	760	757	757	761	764	766	769	775	774	766	758	754	758	756	755	758	759	760	760	760	762	766	765	761	0	8	57	778	0	28	751	27
12				759	760	762	763	762	764	768	770	775	778	767	746	740	747	749	734	739	750	751	747	749	749	750	750	755	0	9	31	780	15	52	725	55
13				753	753	751	753	758	761	764	766	764	769	767	761	763	759	756	740	721	732	740	731	742	743	737	738	751	0	9	47	772	16	44	709	63
14				735	748	745	743	743	748	749	756	763	759	745	737	737	738	736	736	745	734	730	730	739	741	741	735	742	0	9	00	765	18	56	720	45
15			✓	739	743	745	746	748	748	748	754	745	715	711	702	700	696	696	696	697	716	718	724	711	722	721	722	723	1	8	02	763	16	34	686	77
16				726	730	733	735	733	739	742	743	751	754	752	747	742	740	736	739	747	747	737	719	704	718	728	729	736	0	9	10	755	20	27	700	55
17				726	726	736	733	749	742	743	745	747	747	742	739	737	738	721	720	733	733	740	738	738	738	735	734	737	0	4	25	752	15	02	712	40
18			✓	732	762	746	745	740	741	751	750	733	735	704	711	699	678	683	709	716	721	719	705	720	723	730	740	725	1	1	22	771	13	22	666	105
19				731	732	733	738	741	741	730	746	749	738	727	730	700	704	720	707	727	730	732	730	724	727	726	728	729	1	8	33	751	12	42	694	57
20	✓			731	733	734	736	746	749	746	749	751	744	744	740	731	727	726	732	737	738	739	737	737	739	737	733	738	0	4	47	759	14	21	723	36
21	✓	✓		734	736	740	740	742	742	743	742	745	748	749	747	742	733	726	728	739	745	741	746	746	746	744	744	741	0	10	22	750	14	30	725	25
22	✓	✓		744	746	746	751	752	753	754	760	765	765	765	756	744	738	733	732	740	746	748	749	748	745	745	745	749	0	9	44	767	15	03	730	37
23				745	748	748	749	751	752	756	762	767	769	768	767	758	743	732	735	736	738	729	721	733	735	732	735	746	0	9	03	770	19	45	712	58
24			✓	738	741	745	751	750	752	756	759	764	746	723	739	753	748	738	729	727	731	737	743	742	737	716	737	742	1	8	40	767	23	02	709	58
25				728	726	725	742	729	720	729	731	748	745	733	740	724	716	716	692	696	712	718	722	720	708	711	715	723	1	9	02	758	15	56	672	86
26				724	730	742	750	737	739	743	744	744	740	739	742	742	736	728	726	731	733	739	739	736	735	732	730	737	0	3	09	758	0	06	716	42
27				732	738	748	738	739	742	748	749	746	757	760	755	744	733	718	719	727	736	738	740	743	739	735	736	740	0	10	24	763	14	56	713	50
28			✓	743	746	749	751	752	744	748	756	751	741	716	721	714	710	711	716	727	722	727	721	737	737	727	723	733	1	7	00	758	12	59	700	58
29				736	737	741	747	749	746	741	739	750	757	757	726	723	724	720	726	731	743	744	743	744	745	743	742	740	0	9	45	763	11	54	710	53
30				744	744	744	755	751	751	751	755	759	757	743	744	743	739	729	727	739	742	747	749	748	747	741	741	745	0	8	42	762	15	03	713	49
31	✓			746	750	751	753	752	754	753	756	759	762	759	756	751	748	744	745	752	758	757	752	749	749	749	746	752	0	9	27	766	14	52	739	27
MEANS ALL DAYS				737	741	743	745	745	746	747	751	753	752	745	740	735	730	726	727	732	736	738	736	736	737	736	736	740								50
MEANS TEN DAYS ✲				743	746	747	749	751	753	754	756	760	760	758	752	747	744	741	742	748	752	752	751	750	750	750	748	750								27
MEANS FIVE DAYS † (G. M. T.)				748	750	750	752	753	755	756	754 760	759 766	760	758	750	747	742	738	738	743	749	750	751	751	750	749	748	750								
MEANS FIVE DAYS ‡ (G. M. T.)				726	728	732	740	734	732	730	733	748	738	716	713	710	703	696	703	709	708	716	716	718	725	721	723	722								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
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⊼ = ND RECORD

TABLE 299

HORIZONTAL INTENSITY

JUNE 1943 — 23972 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS — JUNE 1943

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				748	755	755	756	760	761	765	769	775	780	781	783	771	765	758	758	758	758	761	759	751	755	758	756	762	0	11 04	785	0 01	745	40
2				757	757	759	760	758	766	766	766	771	776	775	769	760	752	749	752	760	758	741	734	728	740	746	746	756	0	9 43	779	20 15	722	57
3	✓			745	747	747	748	749	750	753	758	762	762	761	761	757	750	741	736	744	752	753	753	752	753	754	752	752	0	9 17	763	15 12	734	29
4	✓	✓		752	752	754	757	760	762	765	765	763	768	768	764	752	754	753	752	760	761	760	756	754	754	753	754	758	0	9 52	770	0 10	749	21
5	✓			754	755	755	757	758	759	760	763	763	762	756	754	751	752	751	756	761	762	762	763	762	761	761	763	758	0	23 47	766	14 05	749	17
6				760	759	764	768	772	777	776	774	772	772	765	757	769	763	764	751	743	755	759	761	758	757	754	751	763	0	5 49	778	16 14	732	46
7				751	753	754	755	756	760	762	766	770	767	763	756	751	751	752	754	759	761	762	739	726	736	739	737	753	0	8 34	772	20 16	719	53
8				740	742	742	744	746	750	757	759	763	766	758	765	739	722	711	712	715	711	712	713	715	729	726	722	736	1	11 47	773	17 31	695	78
9			✓	725	745	740	734	732	735	743	746	746	743	744	728	711	724	731	732	727	700	704	725	735	735	747	735	732	1	8 13	754	17 18	686	68
10			✓	731	732	739	749	742	742	742	747	754	755	754	746	747	754	760	752	744	737	733	737	740	737	736	755	744	1	23 37	779	18 19	702	77
11				747	739	739	739	738	741	742	749	755	762	760	756	749	746	746	747	746	747	738	724	730	734	739	729	743	0	9 17	763	19 51	707	56
12				744	739	739	739	743	746	746	751	762	767	765	763	759	742	740	730	720	738	729	727	738	730	733	739	743	1	9 12	769	16 03	705	64
13				738	738	738	744	745	745	747	750	751	721	727	735	732	732	732	736	740	747	748	744	736	736	733	734	739	1	8 30	757	9 53	703	54
14				739	740	740	745	745	745	747	751	747	731	733	743	734	721	709	720	732	734	732	734	739	744	737	741	737	0	7 01	762	14 27	706	56
15	✓			742	744	746	747	746	748	749	751	752	751	747	740	737	738	739	740	742	751	752	748	748	748	749	749	746	0	18 13	754	12 26	736	18
16	✓	✓		748	748	748	750	751	753	755	757	764	764	759	752	749	744	746	747	749	750	751	752	752	751	749	750	752	0	8 29	766	13 50	743	23
17	✓	✓		750	752	753	754	755	755	756	762	774	774	774	768	763	759	751	749	751	760	759	757	756	755	754	753	758	0	8 40	778	15 21	747	31
18	✓	✓		753	753	755	756	756	757	758	761	766	769	770	764	760	751	751	754	758	761	763	762	761	761	761	759	759	0	10 00	773	13 53	749	24
19				757	759	760	761	765	770	774	777	779	780	782	779	771	768	765	760	767	768	767	754	751	756	755	754	766	0	10 40	784	20 41	749	35
20				754	748	752	759	762	763	770	759	754	741	735	736	737	728	729	732	737	720	723	724	729	731	734	741	742	1	6 41	774	18 00	709	65
21				738	735	746	751	747	750	745	752	748	753	751	743	740	740	737	726	729	728	713	716	712	724	728	717	736	1	9 50	757	18 35	700	57
22				731	731	738	741	741	744	744	752	762	763	760	741	714	716	713	695	711	728	729	729	727	730	735	734	734	1	9 00	767	15 49	680	87
23			✓	733	746	753	743	737	741	740	748	753	756	743	737	742	732	726	738	735	738	742	731	725	712	721	723	737	1	9 37	761	21 47	703	58
24			✓	741	737	741	741	742	737	738	741	741	738	740	742	723	714	726	714	730	733	727	734	723	729	739	739	734	1	0 45	754	13 16	699	55
25				741	752	752	740	740	744	744	746	744	742	741	740	743	744	742	732	741	739	743	736	722	720	730	734	740	0	1 57	771	21 13	716	55
26	✓			735	743	745	743	742	737	744	750	752	754	750	744	737	737	741	740	745	751	753	751	745	748	748	742	745	0	9 20	758	13 05	733	25
27				743	745	748	748	748	745	745	750	744	747	744	741	741	738	733	735	742	749	752	752	750	748	748	755	745	0	23 59	762	15 22	732	30
28			✓	758	759	760	761	760	764	771	771	771	766	763	762	745	751	759	737	728	738	738	728	713	729	741	738	750	1	7 50	776	20 39	706	70
29	✓			739	739	741	741	741	740	745	740	738	744	741	734	723	729	741	748	746	750	748	744	745	745	746	746	741	0	18 17	752	12 42	722	30
30	✓	✓		746	746	746	746	752	755	759	762	764	764	761	760	759	758	759	760	762	764	765	760	751	749	745	752	756	0	9 07	768	2 10	745	23
31																																		
MEANS ALL DAYS				745	746	748	749	750	751	754	756	759	758	756	752	746	742	742	740	743	745	744	742	739	741	743	743	747						47
MEANS TEN DAYS ✲				746	748	749	750	751	752	754	757	760	761	759	754	749	747	747	748	752	756	757	755	753	752	752	752	753						24
MEANS FIVE DAYS † (G. M. T.)				753	754	755	757	758	760	762	761 765	766 770	768	766	762	757	753	752	752	756	759	760	757	755	754	752	754	758						
MEANS FIVE DAYS ‡ (G. M. T.)				735	741	743	741	739	740	742	744	755	754	750	747	732	729	731	727	727	724	725	726	722	727	735	731	736						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 300

HORIZONTAL INTENSITY

23972 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1943 — JULY 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		752	753	754	756	758	761	762	764	766	764	760	752	750	747	742	750	758	758	760	759	758	758	756	755	756	0	8 50	767	14 38	739	28
2	✓			754	755	755	757	762	764	765	767	773	775	770	768	764	758	753	753	756	762	762	762	762	761	757	756	761	0	9 30	777	15 10	751	26
3				757	757	759	764	769	769	770	772	783	786	786	764	741	726	712	706	714	734	739	736	731	726	726	731	748	0	10 11	789	15 50	705	84
4			✓	731	739	742	742	744	747	750	752	753	754	755	755	746	733	733	738	736	746	760	765	743	746	744	733	745	1	19 40	773	14 12	725	48
5			✓	730	733	740	744	763	760	745	745	748	742	742	747	748	709	707	716	715	718	722	739	733	732	756	731	736	1	22 34	781	14 04	685	96
6			✓	728	722	726	742	742	742	740	741	751	748	729	728	738	705	690	715	732	723	675	710	734	712	718	732	726	1	8 51	758	18 14	659	99
7				734	731	732	738	745	751	739	740	745	737	736	741	733	714	719	730	736	737	741	736	739	742	739	756	737	1	23 34	769	13 41	708	61
8			✓	744	744	743	744	745	746	746	751	746	755	757	748	732	738	730	714	719	738	729	735	722	727	748	737	739	1	9 40	761	15 39	699	62
9			✓	733	734	737	737	742	739	740	745	753	753	744	740	738	727	718	684	693	706	720	736	728	729	730	733	731	1	8 35	756	15 50	665	91
10				735	738	747	744	737	735	743	748	754	757	744	714	727	728	717	712	720	720	728	723	728	733	742	731	734	1	21 51	761	17 50	703	58
11				731	731	730	731	735	738	742	746	748	746	745	746	732	714	706	700	689	714	724	730	733	762	743	738	731	1	21 38	795	16 34	679	116
12				738	750	754	742	740	745	750	746	753	752	744	730	725	716	720	730	725	724	735	741	741	741	741	736	738	1	1 54	764	17 01	710	54
13				741	741	742	741	749	748	747	752	747	735	742	737	734	732	729	736	743	741	744	745	742	743	740	736	741	1	7 26	756	14 31	726	30
14	✓	✓		734	734	738	742	742	745	749	751	749	751	751	747	742	742	738	739	744	747	750	750	750	749	748	749	745	0	7 55	755	1 07	727	28
15				749	750	750	750	750	750	750	751	751	751	742	735	730	731	736	743	749	750	748	745	736	740	738	733	744	0	3 04	755	23 42	725	30
16				735	736	741	758	749	748	752	754	749	751	744	735	735	736	736	736	738	738	735	734	731	725	724	726	739	0	3 05	773	22 44	721	52
17				728	729	733	735	742	748	751	751	752	746	733	736	736	744	747	751	752	755	755	754	752	752	751	749	745	0	17 29	757	0 33	726	31
18				751	748	750	751	755	757	757	756	765	766	758	753	751	742	738	744	745	745	749	737	730	727	728	757	748	0	23 16	769	22 10	717	52
19				738	743	741	744	756	751	748	750	759	760	741	721	729	727	716	718	740	740	747	750	750	746	744	756	742	0	23 17	764	14 53	698	66
20				753	746	742	743	747	749	757	761	758	753	745	746	743	737	740	748	742	745	753	751	751	747	744	749	748	0	7 22	762	14 03	734	28
21				751	749	747	748	748	753	759	764	757	748	758	754	752	742	734	734	747	740	735	738	739	747	752	749	748	0	7 39	766	15 22	727	39
22				752	751	749	747	749	751	750	759	768	767	754	730	735	743	734	740	737	729	729	739	741	752	752	758	746	1	9 27	770	11 50	718	52
23	✓			745	747	751	751	749	748	748	758	761	757	742	735	741	748	741	740	744	753	756	754	758	756	753	748	749	0	8 25	762	11 00	732	30
24	✓	✓		746	752	752	754	753	755	757	762	764	763	753	738	729	731	733	737	746	754	758	757	757	754	754	754	751	0	8 18	765	12 37	724	41
25	✓	✓		754	755	755	755	757	758	762	763	764	759	746	733	723	723	731	739	748	756	758	759	760	760	761	761	752	0	8 25	765	13 08	720	45
26	✓			758	758	759	760	763	766	773	778	780	775	763	750	746	746	754	759	765	765	766	762	759	757	757	757	762	0	8 15	782	12 55	743	39
27	✓			759	751	751	748	752	757	760	760	751	745	744	741	737	730	732	741	748	752	750	743	737	738	736	735	746	0	7 17	764	13 52	725	39
28	✓			742	748	748	747	750	752	754	760	767	768	765	760	751	740	740	746	755	757	757	751	748	751	751	752	752	0	9 49	770	13 43	734	36
29	✓	✓		751	752	753	754	757	760	761	763	768	771	766	759	754	749	750	751	753	755	757	756	754	754	753	752	756	0	9 32	772	15 24	747	25
30				754	757	759	760	760	761	767	774	777	788	785	784	778	748	740	747	749	730	724	743	738	724	730	712	754	1	10 00	793	23 52	710	83
31				729	749	736	755	751	749	752	755	754	749	746	742	741	735	717	724	742	743	724	734	743	744	740	736	741	0	1 14	761	14 48	710	51
MEANS ALL DAYS				743	745	746	748	750	752	753	756	759	757	751	744	741	734	730	733	738	741	742	744	743	743	744	743	745						52
MEANS TEN DAYS ✲				750	750	752	752	754	757	759	763	764	763	756	748	744	742	741	746	752	756	757	755	754	754	753	752	753						34
MEANS FIVE DAYS † (G. M. T.)				754	755	756	756	758	760	763	761 767	762 769	762	755	746	740	738	739	743	750	754	757	756	756	755	754	754	754						
MEANS FIVE DAYS ‡ (G. M. T.)				732	732	736	741	746	745	741	744	750	750	745	744	740	722	716	713	719	726	721	737	732	729	739	733	735						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 301

HORIZONTAL INTENSITY

23972 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1943

AUGUST 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			738	742	744	747	751	753	757	755	756	746	744	742	750	752	733	736	733	736	736	728	719	730	734	738	742	0	6	17	760	20 09	703	57
2				744	755	750	752	750	746	746	746	746	741	720	711	716	718	709	734	739	743	743	741	745	737	755	751	739	1	22	42	766	14 47	699	67
3				737	738	763	746	746	744	749	748	739	733	737	715	707	711	705	708	719	730	739	744	739	727	738	734	733	1	2	21	781	15 04	692	89
4				736	737	739	760	745	739	738	737	741	739	738	721	708	713	718	710	724	719	720	735	732	737	729	736	731	1	20	59	774	16 00	702	72
5				729	737	743	739	732	732	729	740	733	721	709	724	707	700	699	705	718	732	743	746	735	739	737	737	728	1	20	00	748	15 03	681	67
6	✓			735	732	732	734	744	735	732	735	736	732	727	718	713	718	719	719	710	718	716	724	728	736	743	738	728	0	4	16	750	16 15	707	43
7				736	737	748	754	744	740	745	748	754	755	756	753	744	742	738	741	744	717	730	709	711	712	719	739	738	1	2	57	768	17 36	691	77
8			✓	734	735	736	738	741	741	744	747	753	756	753	739	708	719	727	734	735	733	700	705	696	697	697	733	729	1	23	19	777	20 07	675	102
9				715	706	742	726	727	715	704	702	695	686	680	665	657	659	665	676	685	706	714	719	727	711	713	708	700	1	2	51	754	12 49	652	102
10	✓	✓		713	718	725	722	721	722	722	722	731	731	714	700	699	700	710	711	717	725	730	731	728	727	725	728	720	0	8	40	738	13 32	693	45
11	✓	✓		731	734	735	735	736	738	740	739	735	736	731	726	721	722	720	728	733	736	737	738	737	736	735	738	733	0	23	50	745	14 53	718	27
12	✓			740	742	745	747	748	746	748	754	756	754	751	754	749	737	726	728	735	740	742	743	744	746	744	743	744	0	7	34	757	15 21	723	34
13			✓	743	748	752	758	761	757	760	753	765	767	764	754	731	696	688	709	700	704	714	718	680	717	700	720	732	1	8	50	769	20 51	663	106
14				735	728	728	745	756	753	742	745	730	733	736	733	728	719	722	730	730	722	717	724	743	729	729	737	733	1	20	11	778	14 07	706	72
15				743	754	742	739	733	748	734	733	749	748	734	723	725	715	726	725	737	738	742	740	738	735	749	752	738	0	22	57	773	13 33	709	64
16				740	746	762	760	745	734	742	745	750	748	724	719	722	713	683	702	728	736	713	725	720	733	728	731	731	1	2	12	776	14 50	654	122
17				739	747	748	745	739	739	742	743	741	727	724	729	711	692	691	694	707	727	730	738	735	735	730	738	729	1	1	49	752	15 33	681	71
18				733	737	743	746	739	746	744	740	744	735	741	738	721	718	728	735	722	713	738	711	713	710	707	705	729	1	18	28	778	18 03	659	119
19				722	719	716	716	722	727	729	733	736	737	736	732	731	724	717	695	693	692	698	708	706	686	701	711	716	1	9	03	739	16 20	681	58
20			✓	711	728	745	731	731	747	739	733	715	717	733	730	720	712	679	708	717	725	713	717	712	730	720	731	723	1	2	02	758	14 42	673	85
21	✓			727	728	731	741	733	732	734	734	713	712	715	712	699	682	697	720	726	724	736	737	726	727	734	734	723	0	2	47	749	14 05	677	72
22	✓	✓		735	736	737	739	740	741	738	739	741	743	742	742	733	730	728	727	732	735	738	739	744	744	744	741	738	0	21	00	755	15 20	724	31
23	✓	✓		742	745	745	749	747	747	749	751	750	743	740	735	738	739	734	735	741	747	751	753	753	745	736	739	744	0	19	31	755	15 01	733	22
24				745	745	748	751	751	753	759	759	764	770	758	757	748	715	705	713	728	734	734	739	738	737	736	738	743	1	9	13	776	14 18	668	108
25				755	750	744	739	739	742	743	751	757	748	728	711	729	734	716	720	722	734	742	745	742	736	746	747	738	0	0	42	777	11 13	701	76
26	✓			739	740	742	742	739	744	751	758	760	762	760	734	732	727	701	701	701	730	734	733	739	737	736	742	737	0	9	21	764	16 17	683	81
27	✓	✓		751	744	741	742	739	742	745	748	751	752	750	744	743	745	739	739	739	744	749	748	748	747	747	748	745	0	0	04	764	15 25	736	28
28				748	748	748	750	752	756	756	756	759	759	762	759	747	744	747	755	764	763	746	739	722	711	719	702	746	1	16	21	767	23 12	681	86
29				713	741	728	728	732	732	739	741	747	745	729	726	720	719	730	724	730	735	736	756	722	730	718	738	732	1	23	09	784	22 24	705	79
30			✓	718	722	727	738	738	738	736	738	741	737	719	683	723	746	745	724	703	698	701	693	696	701	719	719	721	1	15	11	767	11 44	647	120
31			✓	698	731	714	729	724	736	739	715	714	706	693	661	604	601	591	604	634	617	629	622	653	688	664	650	672	2	21	46	771	14 54	562	209
MEANS ALL DAYS				733	737	740	742	740	741	741	742	742	739	734	725	719	715	711	716	721	724	726	727	725	726	727	731	730							77
MEANS TEN DAYS ✲				735	736	738	740	740	740	742	744	743	741	737	731	728	725	721	724	727	734	737	737	737	738	738	739	735							44
MEANS FIVE DAYS † (G. M. T.)				741	743	744	746	747	748	750	740 752	742 753	741	735	729	727	727	726	728	732	737	741	742	742	740	737	739	739							
MEANS FIVE DAYS ‡ (G. M. T.)				709	716	720	726	727	727	722	718	738	737	732	713	697	695	686	696	698	695	691	691	687	707	700	711	710							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
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TABLE 302

HORIZONTAL INTENSITY

23972 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1943 — SEPTEMBER 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1				670	688	687	690	695	701	692	695	679	695	703	723	723	701	693	699	701	703	688	698	722	706	703	712	699	1	20	20	758	0	07	655	103
2				715	729	723	718	719	723	724	725	723	728	706	717	718	715	703	703	701	698	699	709	696	706	725	709	714	1	22	01	759	19	58	687	72
3			✓	712	714	734	748	728	730	745	744	746	737	733	717	698	689	680	691	686	700	704	727	696	704	702	715	716	1	3	09	767	15	04	671	96
4				715	726	729	726	731	716	713	737	743	739	738	735	723	704	680	696	703	712	712	710	721	726	743	729	721	1	22	05	747	14	06	662	85
5				727	745	731	731	732	732	734	735	735	729	718	712	722	723	716	721	722	730	728	740	735	734	736	733	729	1	1	39	752	11	10	702	50
6	✓			751	737	735	735	734	735	729	729	733	738	739	728	719	713	714	720	734	736	735	740	738	736	738	742	733	0	0	14	755	15	06	708	47
7	✓	✓		741	741	746	744	744	743	745	748	747	742	743	742	737	731	729	730	732	739	746	746	745	743	743	748	741	0	23	06	755	14	54	726	29
8				747	750	758	755	752	750	755	761	766	768	771	771	767	761	754	748	741	742	744	741	741	743	744	746	753	0	9	53	772	19	39	733	39
9				748	770	786	741	751	739	750	739	723	729	749	744	722	714	726	727	710	699	712	726	729	731	737	732	735	1	2	09	820	17	56	686	134
10				732	740	748	749	740	721	737	743	726	714	707	718	733	730	725	728	732	714	720	711	721	739	741	750	730	1	3	02	760	10	53	697	63
11				746	739	739	737	745	739	736	744	745	731	719	716	720	731	729	729	725	737	743	743	737	731	741	742	735	0	23	51	753	11	22	709	44
12				747	757	748	744	746	754	757	746	742	737	732	733	730	732	733	732	735	728	739	741	745	741	745	744	741	1	19	45	765	17	44	716	49
13				745	756	759	745	748	742	744	770	740	731	709	696	723	706	717	725	733	739	720	720	717	721	728	751	733	1	1	55	776	11	11	680	96
14				755	740	743	740	746	744	745	741	724	740	746	732	716	724	725	729	735	735	717	734	741	752	739	744	737	1	0	01	773	18	49	707	66
15	✓			749	746	745	755	761	751	758	749	752	756	751	742	729	723	710	723	731	740	742	745	744	742	747	758	744	0	4	10	766	14	42	705	61
16	✓	✓		745	745	748	756	750	751	742	745	751	748	746	737	736	734	735	736	741	744	745	745	747	752	750	759	745	0	23	59	781	13	33	729	52
17	✓			771	752	749	754	757	759	752	756	759	758	759	745	728	736	733	732	741	746	749	747	744	742	747	749	749	0	0	08	789	12	17	722	67
18	✓	✓		749	751	751	754	757	759	751	760	770	771	764	752	741	741	744	745	747	747	749	754	754	752	752	752	753	0	9	10	772	13	43	739	33
19	✓			750	752	759	759	755	752	753	761	756	758	751	748	745	725	733	741	741	743	735	738	741	741	747	752	747	0	2	41	766	14	03	720	46
20	✓	✓		749	751	760	757	757	757	760	766	766	766	764	755	744	747	754	756	758	760	762	762	763	757	749	752	757	0	9	07	769	13	02	741	28
21				757	760	763	766	768	769	770	769	773	768	775	774	765	745	728	715	738	746	734	752	733	748	746	745	754	1	10	40	782	15	27	706	76
22				750	756	754	782	759	759	761	763	751	745	740	734	714	727	725	731	739	748	747	747	747	764	766	755	748	1	3	40	791	12	10	703	88
23	✓			752	761	758	761	759	757	756	757	754	745	746	743	742	740	740	746	737	741	744	743	748	749	749	754	749	0	4	07	765	16	33	732	33
24	✓	✓		763	755	754	756	756	757	757	757	759	760	766	763	750	741	737	745	756	759	760	758	756	757	757	758	756	0	0	35	770	14	25	734	36
25				758	759	756	758	759	764	771	779	780	783	786	783	786	785	751	726	732	742	745	745	741	742	752	750	760	1	12	58	797	15	39	717	80
26			✓	754	756	755	755	756	758	761	767	772	778	780	774	762	740	725	713	729	727	754	753	744	734	748	719	751	1	10	13	782	15	24	700	82
27				746	761	741	735	737	738	741	750	746	729	729	722	728	721	731	741	741	735	732	741	732	739	761	751	739	1	22	34	777	13	55	716	61
28			✓	741	754	770	763	752	749	757	749	723	728	714	706	700	705	719	726	723	702	708	713	741	727	713	729	730	1	2	19	777	20	07	691	86
29			✓	729	753	747	743	735	737	740	740	735	725	717	711	718	727	741	732	701	682	672	669	708	685	724	701	720	1	1	59	764	19	32	643	121
30			✓	721	717	749	754	732	729	714	718	723	707	693	685	686	692	714	718	727	740	726	771	725	727	747	761	724	1	19	12	794	11	48	672	122
31																																				
MEANS ALL DAYS				741	745	748	747	745	744	745	748	745	743	740	735	731	727	725	727	729	730	730	736	735	736	741	741	738								68
MEANS TEN DAYS ✻				752	749	750	753	753	752	750	753	755	754	753	746	737	733	733	737	742	746	747	748	748	747	748	752	747								43
MEANS FIVE DAYS † (G. M. T.)				757	755	757	758	758	759	760	755 765	759 767	757	757	750	742	739	740	742	747	750	752	753	753	752	750	754	753								
MEANS FIVE DAYS ‡ (G. M. T.)				731	740	743	741	735	737	732	736	740	735	727	719	713	711	716	716	713	710	713	727	723	715	727	725	726								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 303

HORIZONTAL INTENSITY

23972 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1943

OCTOBER 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	746	742	748	746	741	766	753	736	730	717	733	719	709	728	724	736	733	721	709	721	744	755	771	731	736	1	22 00	785	11 59	691	94
2			✓	726	735	726	730	731	733	740	723	715	710	736	749	748	729	718	732	738	727	736	743	739	766	739	731	733	1	21 28	780	9 22	703	77
3			✓	744	743	746	733	746	741	744	732	731	727	741	747	738	733	725	717	703	711	709	700	720	755	755	740	733	1	22 07	778	17 15	677	101
4				741	736	734	732	734	731	731	721	733	729	724	735	735	726	728	741	741	727	723	722	729	746	738	741	732	1	20 59	764	10 29	712	52
5	✓			750	741	739	740	743	742	741	742	745	743	754	758	756	751	747	747	748	742	745	742	748	747	745	746	746	0	12 05	759	1 46	736	23
6	✓	✓		748	747	754	752	751	750	751	749	748	752	755	752	747	750	750	752	746	741	738	738	742	742	744	744	748	0	2 22	757	18 57	736	21
7				752	752	752	753	755	755	757	758	754	745	750	756	761	765	768	762	762	766	764	757	753	734	716	727	753	1	14 30	773	22 30	707	66
8				741	748	759	759	760	757	751	756	748	750	743	739	739	739	740	748	753	751	752	710	731	731	745	748	746	1	2 52	779	19 40	687	92
9			✓	784	767	757	757	758	749	740	730	743	748	749	740	707	727	727	696	694	710	724	751	730	757	740	735	738	1	0 52	804	16 02	681	123
10				760	759	757	749	736	737	739	736	739	744	742	747	746	750	736	730	741	748	746	747	744	753	753	754	746	0	0 52	777	16 12	726	51
11	✓			765	754	746	750	748	750	750	748	753	762	765	764	757	750	735	732	737	744	743	752	759	750	749	748	750	0	0 31	783	14 37	724	59
12				750	761	754	751	751	754	756	756	758	752	752	746	731	720	720	729	735	739	746	748	748	746	746	748	746	0	1 35	766	13 50	710	56
13	✓			750	760	757	752	754	752	745	746	752	753	742	739	744	745	749	753	756	758	758	755	753	761	755	753	752	0	1 56	763	10 52	734	29
14	✓	✓		751	753	759	759	755	758	761	761	759	759	760	752	747	746	749	753	756	757	761	756	760	762	759	759	756	0	21 03	764	13 30	745	19
15	✓	✓		757	760	762	764	761	763	766	766	767	767	764	761	759	761	765	762	764	764	766	768	766	764	763	762	763	0	19 22	772	0 45	756	16
16	✓	✓		762	762	762	763	765	765	765	765	766	768	770	775	771	766	765	767	765	763	765	766	766	763	763	760	765	0	11 53	779	23 23	757	22
17				758	760	761	763	766	771	776	780	785	788	789	783	767	758	758	747	739	744	751	735	726	736	745	750	760	0	9 58	791	20 40	721	70
18	✓	✓		753	751	753	757	761	756	761	765	765	767	765	764	759	757	757	756	755	756	759	759	758	757	757	754	758	0	8 12	768	1 12	748	20
19	✓			758	764	758	758	761	761	766	768	770	772	766	758	753	758	760	754	750	747	741	748	755	759	758	765	759	0	9 22	774	18 42	739	35
20				765	766	764	764	769	768	769	773	773	773	773	773	769	773	772	769	765	765	765	768	768	768	764	767	768	0	23 28	782	23 04	756	26
21	✓			759	768	798	768	765	759	751	752	741	741	746	747	744	744	749	751	752	753	753	753	753	753	755	755	755	0	2 28	816	8 42	737	79
22				755	758	758	757	755	758	758	759	759	759	758	758	756	759	768	769	769	760	749	722	712	717	733	748	752	1	16 27	778	20 36	707	71
23				752	744	745	749	750	753	755	750	729	726	734	734	737	739	741	742	742	744	744	742	741	748	761	746	744	0	22 14	774	9 04	724	50
24				751	756	759	761	762	763	761	760	759	756	749	753	757	750	753	755	749	714	703	716	700	716	751	733	745	1	5 56	765	17 50	671	94
25				736	754	740	746	738	741	746	732	729	718	720	719	720	724	721	710	701	705	730	734	765	747	744	739	732	1	20 36	777	17 10	688	89
26			✓	747	766	762	755	753	752	752	747	731	722	736	728	714	703	684	698	676	696	714	732	715	723	742	728	728	1	1 31	782	16 42	661	121
27				737	737	742	745	724	729	732	729	729	730	732	728	713	728	721	719	720	723	748	738	748	750	750	746	733	1	18 13	763	14 58	706	57
28				746	750	762	761	758	754	750	741	739	718	705	699	700	698	721	721	724	735	733	743	745	744	735	749	735	1	2 17	776	13 43	692	84
29				744	749	755	745	739	736	740	750	747	731	731	739	736	744	737	735	725	731	737	740	727	722	769	746	740	1	22 26	778	20 44	706	72
30				755	739	747	752	755	742	740	747	755	750	732	733	744	732	728	739	741	735	733	745	752	769	725	732	743	1	21 06	796	14 23	712	84
31				745	753	757	748	744	748	742	764	772	774	744	701	689	700	736	741	740	737	724	743	740	724	732	738	739	1	9 23	778	12 12	687	91
MEANS ALL DAYS				751	753	754	752	751	751	751	750	749	747	747	745	740	740	740	741	739	739	741	742	743	747	748	746	746						63
MEANS TEN DAYS ✻				755	756	759	756	756	756	756	756	757	758	759	757	754	753	753	753	753	752	753	754	756	756	755	755	755						32
MEANS FIVE DAYS † (G. M. T.)				757	760	759	760	762	763	766	761 767	761 768	763	763	761	757	756	757	758	757	756	758	757	758	758	757	756	759						
MEANS FIVE DAYS ‡ (G. M. T.)				742	742	741	738	734	734	737	728	730	725	739	737	723	724	716	716	709	713	718	729	730	751	749	733	731						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

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‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED *

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 304

HORIZONTAL INTENSITY

23972 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1943 — NOVEMBER 1943

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				742	753	744	745	739	743	741	745	742	737	737	738	731	724	732	742	738	740	745	721	721	764	724	727	738	1	21	05 790	19	51 706	84
2	✓			733	748	736	738	740	738	739	746	749	750	745	736	735	737	739	746	743	743	749	751	751	752	754	755	744	0	23	38 759	0	06 728	31
3	✓			758	759	755	752	752	757	763	769	772	774	767	763	753	744	744	750	755	755	755	755	754	757	759	760	758	0	9	30 775	14	12 740	35
4	✓			755	755	754	754	755	757	763	768	773	778	781	779	772	765	761	763	766	764	762	763	765	765	762	759	764	0	9	56 782	2	39 752	30
5				762	762	766	768	770	773	774	784	790	794	792	785	772	772	767	770	757	756	759	761	762	758	761	754	770	1	10	04 797	21	07 751	46
6				759	764	765	766	764	769	774	780	781	781	781	773	771	769	771	765	769	768	765	766	767	764	775	759	769	1	22	24 787	23	37 750	37
7				768	786	749	743	749	743	739	748	764	759	761	760	756	750	749	737	749	756	754	753	752	756	756	756	754	0	1	21 818	6	42 725	93
8				758	766	765	758	765	765	765	768	763	769	773	769	760	751	750	757	750	764	763	758	759	760	761	763	762	1	10	26 775	13	58 737	38
9				762	762	764	762	761	762	766	773	779	776	766	771	773	767	752	760	760	759	757	757	761	759	763	766	764	0	9	17 783	14	42 744	39
10				765	769	767	766	765	766	763	762	766	770	770	772	777	777	782	780	775	768	763	761	758	760	761	767	768	0	15	13 783	20	08 757	26
11	✓	✓		768	771	774	777	779	771	772	776	776	773	769	765	760	765	768	766	764	763	762	760	760	760	761	761	768	0	4	14 782	21	41 759	23
12	✓			763	764	767	767	767	771	773	774	774	774	769	767	771	777	783	780	782	781	777	769	748	753	761	759	770	0	14	22 785	20	25 746	39
13	✓	✓		762	763	765	768	768	771	773	778	784	786	787	783	775	766	766	765	765	767	767	767	766	762	762	762	770	0	10	24 789	21	59 759	30
14	✓	✓		766	764	764	768	775	779	786	789	789	787	784	784	781	778	772	770	769	766	766	768	768	769	769	767	774	0	7	32 792	1	38 762	30
15	✓	✓		766	769	776	772	771	772	776	778	781	782	781	777	778	777	779	778	778	777	777	776	775	778	782	783	777	0	23	26 786	0	40 764	22
16				785	783	786	785	786	786	789	784	783	780	777	783	788	794	802	792	783	781	777	772	762	764	775	761	782	0	13	55 806	20	54 754	52
17	✓	✓		760	763	767	765	762	761	762	760	762	764	765	768	767	768	766	767	770	766	765	767	768	767	766	768	765	0	16	32 771	0	04 754	17
18				766	768	770	771	770	773	777	778	782	787	793	797	788	778	772	777	776	772	767	774	771	779	778	778	777	0	11	22 799	18	02 764	35
19			✓	771	779	777	772	769	771	777	778	777	778	784	776	769	757	752	756	730	712	717	721	749	728	742	749	758	2	1	56 789	19	42 696	93
20			✓	740	747	752	755	751	750	743	737	748	734	727	723	714	707	709	712	708	726	727	749	737	749	747	765	736	1	23	37 795	14	06 682	113
21				771	752	751	756	760	752	753	745	727	744	754	756	744	736	738	739	728	748	750	740	764	747	759	753	749	1	0	09 792	17	05 717	75
22				757	753	745	745	735	738	739	730	733	738	742	752	749	749	751	744	738	748	751	749	757	768	749	749	746	1	21	10 779	7	47 724	55
23				770	757	747	747	749	755	761	751	747	752	758	764	768	754	740	744	751	749	756	748	770	756	753	766	755	1	20	31 790	14	53 723	67
24				745	759	759	757	764	754	746	738	725	712	718	723	725	738	740	738	740	741	734	746	743	763	766	740	742	1	21	42 801	9	22 705	96
25			✓	740	752	769	768	745	744	747	745	755	746	744	755	747	749	747	747	748	740	733	731	735	733	756	754	747	1	3	29 779	19	19 713	66
26			✓	741	747	761	774	766	748	728	719	722	728	732	734	731	737	742	742	743	746	744	741	741	738	754	733	741	1	3	01 790	7	35 709	81
27			✓	743	741	745	744	732	741	753	736	733	745	741	709	687	718	721	718	729	730	728	723	743	741	752	749	733	1	0	44 767	12	19 678	89
28				739	744	748	761	755	754	759	742	760	754	761	763	747	752	752	763	758	747	718	739	748	752	754	752	751	1	4	00 773	18	17 701	72
29				753	753	771	763	755	754	754	755	755	754	749	752	755	747	751	750	750	750	742	740	746	739	742	750	751	1	2	35 783	21	54 735	48
30	✓			749	756	767	747	750	753	755	751	748	745	740	746	753	758	761	759	755	747	743	742	744	737	734	743	749	0	2	10 771	22	13 732	39
31																																		
MEANS ALL DAYS				757	760	761	760	759	759	760	760	761	762	762	761	757	755	755	756	754	754	752	752	755	756	758	757	758						53
MEANS TEN DAYS ✲				758	761	762	761	762	763	766	769	771	771	769	767	764	764	764	764	765	763	762	762	760	760	761	762	764						30
MEANS FIVE DAYS † (G. M. T.)				769	770	773	773	774	776	780	776 781	778 782	778	777	775	772	771	770	769	769	768	767	768	767	767	768	768	772						
MEANS FIVE DAYS ‡ (G. M. T.)				747	746	751	758	753	749	747	736	747	746	746	739	730	734	734	735	732	731	730	733	741	738	750	750	742						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 305

HORIZONTAL INTENSITY

23972 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1943

DECEMBER 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				751	743	746	747	750	754	756	757	759	760	759	755	751	750	752	756	761	757	761	766	772	775	769	769	757	0	21 05	783	1 00	741	42
2				762	765	775	775	783	784	781	780	778	778	773	765	777	782	780	781	778	771	769	767	767	769	767	766	774	1	23 58	804	0 01	752	52
3			✓	788	761	761	779	766	758	761	755	762	757	751	748	738	736	750	762	763	761	758	751	745	747	747	744	756	1	0 09	806	13 38	728	78
4				752	762	749	752	752	749	747	744	742	750	750	748	748	748	745	746	747	750	755	755	754	776	763	746	751	1	21 32	791	0 16	736	55
5				752	759	766	773	765	767	756	760	761	756	748	747	734	748	752	748	748	755	754	757	761	756	762	754	756	0	2 59	776	12 45	721	55
6	✓	✓		761	761	758	758	758	756	759	758	760	761	759	757	754	756	757	759	755	755	756	756	756	760	760	761	758	0	0 06	769	12 52	753	16
7	✓			761	763	766	769	769	769	771	774	775	778	779	774	764	765	764	764	761	762	764	764	767	759	759	762	767	0	9 55	781	22 53	756	25
8	✓			765	767	770	769	769	770	771	772	773	769	763	755	760	763	768	771	770	771	771	768	768	768	764	763	767	0	8 30	774	11 34	755	19
9				774	769	769	769	767	770	771	772	774	777	777	780	783	785	785	777	769	769	774	769	763	762	762	779	773	0	14 28	792	17 04	758	34
10	✓			773	768	770	770	773	767	764	761	767	778	786	788	785	777	773	772	767	765	766	766	765	757	755	747	769	0	10 50	789	23 47	745	44
11	✓	✓		751	755	759	764	771	772	770	769	774	779	782	779	773	776	774	773	774	770	770	773	773	771	768	768	770	0	10 27	784	0 06	748	36
12	✓	✓		765	765	764	768	770	772	773	778	780	778	768	767	771	774	777	785	780	771	767	767	766	768	771	774	772	0	15 31	788	2 31	762	26
13	✓	✓		774	775	773	770	772	772	775	774	772	768	759	754	759	773	785	787	781	778	776	775	774	772	772	770	772	0	15 23	788	11 32	752	36
14				771	770	767	775	775	775	781	785	788	788	783	771	764	764	768	775	781	783	778	778	771	760	747	747	773	0	9 02	791	22 57	732	59
15	✓			757	758	760	761	767	773	778	777	778	780	773	765	771	773	777	777	775	775	771	768	768	770	770	771	771	0	9 18	782	0 04	754	28
16			✓	772	770	771	770	779	791	788	791	796	794	781	769	764	763	779	785	780	737	709	737	736	719	743	745	765	1	8 24	804	18 10	702	102
17			✓	737	734	764	747	741	740	741	745	751	753	758	751	726	739	744	757	762	753	728	754	735	732	741	758	745	1	2 47	773	18 28	710	63
18				767	761	750	752	755	754	753	742	752	757	744	744	746	749	759	760	753	762	757	755	760	757	784	757	755	1	22 18	791	10 50	734	57
19			✓	755	754	767	764	767	764	766	766	761	754	753	769	785	783	776	748	743	748	762	754	756	760	754	752	761	1	12 36	790	15 49	733	57
20			✓	759	779	770	746	744	750	755	766	755	761	761	753	746	750	747	746	755	748	758	755	745	773	757	754	756	1	2 06	788	20 26	732	56
21				758	764	749	753	769	755	751	747	744	756	763	756	757	758	749	750	746	750	756	751	759	755	756	762	755	1	4 29	773	8 17	735	38
22				763	764	765	783	778	765	762	767	769	764	764	754	755	757	754	756	756	758	749	748	755	753	759	755	761	0	3 28	790	19 14	741	49
23				767	762	761	762	758	757	755	753	764	772	765	752	757	769	767	767	765	765	757	749	760	768	759	757	761	0	21 04	783	19 10	742	41
24				761	763	766	766	764	761	757	755	753	756	762	763	768	763	757	755	756	757	752	759	759	767	767	766	761	0	21 52	774	18 28	746	28
25				762	763	764	771	765	767	764	761	757	760	767	772	762	767	771	770	767	759	752	756	759	759	762	764	763	0	11 10	775	18 53	746	29
26				766	766	764	766	771	774	775	771	763	755	752	755	763	767	760	763	767	765	765	761	747	740	741	749	761	0	5 52	779	22 29	736	43
27				775	756	756	754	754	754	755	754	756	757	753	747	755	759	763	761	761	763	762	757	762	774	768	767	759	0	0 22	796	11 52	744	52
28	✓	✓		768	770	772	773	770	772	773	773	772	771	762	762	770	774	776	783	783	778	777	778	775	775	774	772	773	0	15 55	785	11 15	757	28
29				772	774	776	775	774	776	777	779	776	777	779	779	784	776	772	774	768	755	754	759	763	764	764	764	771	0	12 32	787	18 06	751	36
30	✓			764	762	763	775	776	769	771	778	783	777	762	755	749	754	763	772	773	770	773	776	775	774	781	772	769	0	3 55	791	12 05	746	45
31				775	773	776	778	779	785	786	786	784	786	779	772	765	770	776	780	777	763	751	750	745	745	758	746	770	0	7 23	789	21 00	738	51
MEANS ALL DAYS				764	763	764	766	766	766	766	766	767	768	765	761	761	763	765	766	765	762	760	761	760	761	761	760	764						45
MEANS TEN DAYS ✲				764	764	766	768	770	769	770	771	773	774	769	766	766	768	771	774	772	770	769	769	769	767	767	766	769						30
MEANS FIVE DAYS (G. M. T.) †				769	769	769	771	772	773	775	770 778	772 778	771	766	764	765	771	774	777	775	770	769	770	769	769	769	769	771						
MEANS FIVE DAYS (G. M. T.) ‡				755	760	756	750	752	750	749	749	765	764	761	758	752	754	759	760	761	749	743	750	743	746	748	751	754						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 306

VERTICAL INTENSITY

50943 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1943 — JANUARY 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			675	676	674	673	673	674	679	679	672	660	647	637	631	640	653	670	680	677	673	670	667	667	669	672	666	0	16	40	682	12 37	630	52
2				672	676	676	672	673	673	670	672	661	658	652	640	636	639	654	670	678	679	676	675	676	675	676	676	667	0	17	18	681	13 03	635	46
3				680	677	675	673	674	678	678	681	677	666	634	628	634	638	646	658	670	669	671	672	674	681	684	680	667	0	21	31	687	11 10	625	62
4			✓	669	668	671	673	679	679	681	677	668	650	641	638	640	648	654	663	672	673	681	713	710	684	670	671	670	1	19	53	732	11 19	637	95
5				677	657	670	669	663	676	680	675	667	665	638	629	632	640	652	671	680	682	681	674	675	676	681	673	666	1	1	04	699	11 19	623	76
6				676	672	672	672	673	669	671	676	684	674	656	643	631	629	637	656	675	680	686	687	681	679	677	675	668	0	18	37	689	13 21	627	62
7	✓	✓		668	670	672	670	671	680	688	690	687	673	653	633	630	638	651	664	674	677	678	677	678	677	676	675	669	0	7	38	692	12 20	629	63
8	✓			673	672	672	671	674	679	686	692	688	675	653	637	633	639	646	654	663	669	673	673	675	676	680	679	668	0	7	43	694	11 57	632	62
9				678	676	673	670	668	677	683	682	681	678	654	639	636	642	646	659	680	682	680	677	678	678	679	679	670	0	7	17	686	12 29	632	54
10				678	678	676	673	673	673	679	679	679	675	664	649	642	644	645	649	659	669	672	678	675	675	676	676	668	0	8	44	681	13 03	641	40
11	✓	✓		679	675	675	675	673	672	666	673	675	673	662	651	643	646	650	655	666	670	673	673	673	676	676	682	668	0	23	59	688	12 40	643	45
12				682	675	672	672	672	669	669	675	681	681	665	648	639	621	630	649	664	674	675	674	671	676	678	678	666	0	0	02	688	13 43	614	74
13	✓	✓		678	676	675	674	674	673	674	677	674	670	665	664	658	651	651	651	655	661	671	674	675	674	676	678	669	0	23	45	679	13 47	650	29
14	✓	✓		676	676	674	673	673	674	676	676	673	672	663	658	656	653	651	660	665	666	667	669	668	670	671	672	668	0	0	36	678	14 00	650	28
15	✓	✓		673	673	673	672	671	672	674	675	672	667	660	655	651	650	650	652	656	662	667	668	669	669	670	570	665	0	6	45	676	14 00	647	29
16				672	672	672	673	671	671	674	677	673	661	645	636	637	641	651	660	666	667	670	671	671	673	679	684	665	0	22	49	687	12 30	636	51
17			✓	680	667	670	674	674	679	679	675	671	668	655	638	641	646	654	658	671	677	687	702	703	702	692	674	672	1	21	19	710	11 37	636	74
18				689	696	683	669	673	686	688	680	665	655	643	639	639	639	639	652	665	668	675	684	684	682	680	677	669	1	1	10	706	14 10	635	71
19				676	673	671	681	682	685	689	689	679	672	661	650	649	652	656	668	677	680	679	679	680	685	679	677	674	0	7	26	693	12 07	646	47
20			✓	678	675	678	675	678	680	683	678	660	639	625	623	627	634	652	669	679	688	688	687	685	692	696	697	669	1	23	39	703	11 07	620	83
21			✓	697	692	684	681	702	661	684	691	668	654	632	628	637	639	651	663	678	694	705	701	699	693	691	691	676	1	18	49	716	10 50	621	95
22			✓	687	686	683	683	684	682	684	687	674	664	651	637	633	642	652	660	673	687	687	688	698	709	696	688	676	1	21	20	724	12 06	631	93
23				692	677	677	679	681	682	688	692	686	675	652	637	630	634	653	669	676	679	683	688	686	688	687	686	674	0	7	48	702	12 30	627	75
24				686	683	681	681	683	683	690	693	693	687	684	681	679	670	670	678	685	687	693	696	694	694	691	689	685	0	19	05	698	13 52	665	33
25	✓			685	681	682	681	676	685	695	695	688	682	675	665	650	647	659	675	682	680	683	686	688	686	687	690	679	0	7	10	696	13 30	644	52
26				690	686	684	681	679	682	687	693	695	686	666	654	649	646	655	663	671	698	699	692	694	696	693	693	680	1	18	05	708	13 30	643	65
27				694	687	686	684	682	683	685	688	693	691	682	668	661	657	654	661	671	677	683	684	687	696	697	697	681	0	21	55	701	14 15	652	49
28				688	683	683	681	681	682	685	688	688	682	675	661	645	641	639	652	668	685	692	699	698	697	694	695	678	1	20	08	705	14 00	636	69
29	✓			687	686	690	681	683	685	689	687	678	673	666	663	652	650	653	657	671	677	679	682	685	686	686	686	676	0	0	10	695	13 20	648	47
30				687	685	684	682	683	683	686	685	680	672	659	653	651	654	654	664	672	673	677	679	679	682	680	683	674	0	0	19	688	12 59	649	40
31	✓			685	685	685	685	686	687	685	684	675	671	665	654	651	652	662	673	681	682	679	679	681	682	688	689	677	0	23	17	692	13 16	649	43
MEANS ALL DAYS				681	678	677	676	677	678	681	683	678	670	656	646	643	644	651	661	672	677	680	682	682	683	682	682	672							58
MEANS TEN DAYS ✲				678	677	677	676	675	678	681	683	678	672	661	652	646	647	653	661	669	672	674	675	676	676	678	679	671							45
MEANS FIVE DAYS † (G. M. T.)				675	674	673	672	672	673	676	678 679	676 677	671	661	652	648	648	651	656	663	667	671	672	673	673	674	675	668							
MEANS FIVE DAYS ‡ (G. M. T.)				688	682	679	676	681	677	685	685	668	655	641	633	636	642	653	663	675	684	690	698	699	696	689	684	673							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 307

VERTICAL INTENSITY

50943 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1943 — FEBRUARY 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				686	686	688	686	686	689	696	695	682	673	666	657	654	659	673	687	691	689	685	681	682	685	688	688	681	0	6 31	700	12 50	652	48
2				683	684	682	685	686	691	691	689	681	671	658	642	639	645	658	675	686	687	684	683	683	690	690	688	677	0	21 52	700	12 27	638	62
3				683	680	680	680	684	690	696	697	690	667	644	631	631	638	654	674	686	694	691	697	695	701	694	683	678	0	21 32	704	12 13	630	74
4			✓	684	681	679	678	675	691	698	701	688	676	668	662	659	665	674	685	691	691	695	704	687	688	688	685	683	1	19 04	715	12 28	654	61
5				682	681	678	677	683	690	700	699	683	654	635	628	645	660	676	689	693	692	689	694	699	686	689	685	679	0	20 00	712	11 06	627	85
6				678	680	679	681	679	691	699	699	694	678	646	631	643	657	670	685	695	696	693	694	695	693	691	690	681	0	19 50	702	11 31	630	72
7	✓			686	689	687	684	682	686	696	712	708	699	677	660	644	651	661	676	688	692	690	689	690	691	691	691	684	0	7 42	717	12 37	642	75
8				694	689	685	685	683	683	692	702	696	689	662	633	629	638	648	662	679	688	691	690	692	698	695	692	679	0	7 20	705	12 19	626	79
9				689	686	686	677	684	686	692	697	702	702	677	649	637	638	643	648	667	682	686	686	687	690	690	690	678	0	9 22	706	12 50	633	73
10	✓	✓		690	689	687	680	678	683	690	696	698	692	687	677	663	659	653	657	667	674	678	680	687	692	695	693	681	0	8 07	700	14 46	651	49
11				690	687	681	683	684	685	686	693	692	679	667	647	644	648	657	677	681	687	689	690	697	691	688	688	680	0	20 37	703	12 16	643	60
12	✓	✓		689	689	688	687	684	685	691	691	684	678	669	661	664	670	673	678	681	685	685	688	685	685	686	687	682	0	7 18	697	11 34	659	38
13			✓	690	688	688	684	684	684	690	690	685	679	662	652	659	654	652	654	668	684	692	691	689	690	694	696	679	1	23 24	701	14 10	645	56
14	✓			692	690	687	687	690	691	693	689	676	666	659	658	667	672	675	677	678	680	684	684	682	684	685	687	681	0	6 13	697	11 00	653	44
15	✓	✓		689	688	688	688	689	690	695	696	683	673	662	650	653	653	662	673	687	693	694	688	690	687	688	687	681	0	7 24	700	11 34	649	51
16	✓			687	688	685	686	688	691	696	700	697	684	664	650	646	650	661	678	690	694	693	688	687	687	687	687	682	0	8 03	703	11 56	645	58
17			✓	686	683	684	686	683	686	691	693	690	684	673	653	646	655	655	687	698	702	725	739	699	699	712	692	688	1	19 05	795	11 55	643	152
18				691	689	689	688	691	687	699	709	705	698	687	674	667	664	665	673	690	693	697	699	696	699	692	689	689	0	21 16	716	14 10	663	53
19				684	683	684	686	686	692	698	705	702	689	669	650	641	645	652	665	682	694	695	694	692	692	692	689	682	0	8 32	708	12 54	639	69
20	✓			683	683	683	683	684	689	699	708	703	695	681	664	653	652	652	661	675	685	691	694	695	695	694	692	683	0	7 53	712	13 40	650	62
21	✓	✓		688	685	686	685	686	689	693	696	691	681	665	652	648	649	652	664	681	687	689	689	689	690	692	691	680	0	7 26	699	12 20	647	52
22	✓			689	688	688	688	686	686	692	697	694	686	673	661	659	661	660	665	675	684	686	688	695	697	691	690	682	0	21 29	702	12 20	657	45
23				689	686	686	686	683	686	692	703	702	693	671	655	645	646	649	652	666	682	686	688	689	693	693	692	680	0	7 52	711	13 05	642	69
24				691	689	688	688	688	692	692	700	703	695	679	660	647	646	650	663	673	689	693	692	693	693	693	691	683	0	8 10	712	13 05	643	69
25			✓	691	691	689	686	687	683	693	698	708	703	685	667	659	662	667	674	681	686	689	689	690	696	698	702	686	1	8 50	716	12 30	658	58
26			✓	698	685	688	687	682	678	675	682	685	692	669	644	645	654	665	672	688	695	702	692	691	692	693	698	681	1	18 12	711	11 48	641	70
27				710	712	683	693	689	683	685	683	690	696	683	669	666	666	667	676	685	693	705	698	696	698	694	691	688	0	1 23	716	13 00	663	53
28	✓	✓		689	690	690	685	686	689	694	700	705	701	688	674	662	657	657	665	677	688	694	692	690	689	691	695	685	0	8 23	708	14 00	655	53
29																																		
30																																		
31																																		
MEANS ALL DAYS				689	687	685	685	685	687	693	697	693	685	669	654	651	654	660	671	682	689	692	692	691	692	692	690	682						64
MEANS TEN DAYS *				688	688	687	685	685	688	694	698	694	686	672	661	656	657	661	669	680	686	688	688	689	690	690	690	682						53
MEANS FIVE DAYS † (G. M. T.)				690	688	686	686	686	687	691	696 695	692 694	685	674	663	658	658	659	667	679	685	688	687	688	689	690	691	682						
MEANS FIVE DAYS ‡ (G. M. T.)				695	691	685	686	687	686	690	692	691	687	671	656	654	658	663	674	685	692	701	703	691	693	697	695	684						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 308

VERTICAL INTENSITY

50943 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			693	690	687	687	689	690	693	697	701	695	675	656	649	649	650	665	679	682	685	686	689	697	701	710	683	0	23	17	717	13 54	644	73
2				705	700	691	691	690	691	695	700	701	695	687	668	654	651	657	671	688	702	721	728	724	725	706	699	693	1	21	35	734	13 56	647	87
3				696	699	696	695	695	695	699	701	702	698	683	671	665	663	662	665	679	695	704	702	705	700	701	699	690	0	18	40	707	14 25	658	49
4				696	695	693	692	692	695	694	690	692	683	670	666	660	662	667	686	700	716	713	721	715	699	694	696	691	1	20	24	736	11 52	655	81
5				700	696	696	693	693	682	694	703	700	694	680	672	675	684	687	694	702	701	699	702	705	704	698	700	694	1	7	47	709	11 29	664	45
6				685	684	696	690	692	689	695	700	701	689	677	665	665	672	681	692	698	699	696	696	699	698	699	694	690	0	22	22	708	11 54	662	46
7	✓			694	693	693	690	680	694	703	709	710	703	682	658	654	660	665	670	681	690	690	693	700	700	700	699	688	0	8	06	713	12 33	652	61
8				694	693	686	687	684	690	696	700	710	704	696	682	674	663	662	670	686	693	699	700	707	704	702	701	691	0	8	12	711	13 50	658	53
9				703	697	691	691	691	690	696	707	707	698	678	663	648	648	658	674	684	694	695	697	705	698	697	698	688	0	20	40	713	12 54	646	67
10	✓	✓		701	695	693	692	691	692	702	702	708	706	692	672	665	663	665	675	685	689	691	692	695	698	699	699	690	0	8	50	710	13 47	662	48
11				699	699	696	695	694	692	694	696	712	714	702	686	672	669	671	676	685	692	695	696	698	702	699	697	693	1	9	17	716	13 22	667	49
12				693	689	702	699	697	699	685	689	695	691	685	672	665	661	668	682	692	692	692	695	707	707	705	704	690	1	23	22	722	13 14	657	65
13	✓	✓		706	705	696	696	687	691	696	703	705	700	683	663	653	654	663	673	683	689	690	693	693	694	697	697	688	0	0	32	712	12 50	650	62
14				697	697	695	694	694	694	694	697	701	692	680	668	662	662	668	672	684	697	695	694	694	695	698	701	689	0	23	21	707	12 49	659	48
15	✓	✓		697	694	693	692	693	693	693	699	701	692	675	664	662	663	669	676	683	688	689	692	693	694	696	697	687	0	8	23	704	12 32	661	43
16			✓	700	699	697	694	696	696	697	699	699	689	675	668	658	666	672	684	695	700	738	721	713	714	705	704	695	1	18	33	742	12 55	654	88
17				704	702	701	701	699	701	701	699	666	690	676	673	666	671	679	688	697	699	705	708	704	699	697	698	694	0	19	39	710	12 06	664	46
18	✓			697	698	698	696	698	698	700	702	701	682	659	657	662	671	679	690	700	699	697	698	698	698	697	695	690	0	8	13	705	11 10	654	51
19				696	692	698	697	696	699	702	707	696	679	662	649	650	659	672	686	696	696	693	696	696	696	699	696	688	0	7	46	709	11 43	648	61
20			✓	691	693	695	692	689	690	701	706	693	675	663	662	666	672	679	678	689	708	700	699	699	705	703	687	689	1	17	04	727	11 00	656	71
21				699	699	676	698	696	697	701	700	693	686	672	667	664	664	675	680	688	692	702	718	706	704	701	700	691	0	19	15	725	13 07	663	62
22				699	698	695	696	693	695	697	702	702	690	673	663	657	659	663	672	684	687	693	701	702	703	705	710	689	1	23	07	717	12 24	655	62
23			✓	699	699	695	689	686	689	699	706	705	698	689	676	672	672	672	689	697	699	706	709	709	703	701	701	694	1	19	28	726	11 53	663	63
24				695	695	692	689	686	693	702	708	710	705	696	685	675	669	678	687	691	696	697	699	712	700	699	702	694	0	20	14	717	13 18	666	51
25	✓	✓		696	695	696	695	695	696	701	705	704	695	679	669	661	663	668	679	690	694	696	699	700	701	702	702	691	0	8	11	708	12 19	658	50
26	✓			700	698	696	694	693	694	696	701	705	700	686	672	658	657	666	674	682	692	696	697	699	699	700	702	690	0	8	34	707	12 58	655	52
27	✓			702	700	697	693	693	693	696	698	695	685	671	657	655	658	662	671	682	689	691	694	695	697	700	702	686	0	0	13	705	12 20	654	51
28	✓	✓		701	697	693	690	688	690	693	696	697	696	693	686	672	669	665	671	682	690	695	694	696	698	698	696	689	0	0	18	704	14 28	664	40
29			✓	697	695	694	691	694	691	687	694	701	699	695	690	682	676	676	680	686	690	695	695	709	701	702	713	693	1	23	12	720	14 20	675	45
30			✓	702	689	682	685	652	656	674	675	699	700	699	698	694	694	695	698	703	708	726	716	704	708	714	708	695	1	19	10	737	4 11	620	117
31				699	694	697	692	688	692	692	702	707	706	703	706	702	695	692	695	694	696	700	700	706	705	707	711	699	1	23	23	716	3 57	674	42
MEANS ALL DAYS				698	696	694	693	690	692	696	700	701	694	682	671	665	666	671	679	689	695	699	701	702	701	701	701	691							59
MEANS TEN DAYS ✲				699	696	694	693	691	693	697	701	703	695	680	665	659	661	665	674	685	690	692	694	696	698	699	700	688							53
MEANS FIVE DAYS † (G. M. T.)				699	698	696	694	694	693	694	701 697	703 704	698	684	671	663	662	666	675	685	690	692	694	695	697	698	698	689							
MEANS FIVE DAYS ‡ (G. M. T.)				700	696	690	693	684	688	694	697	699	692	684	679	674	676	679	686	694	701	713	708	707	706	705	703	694							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 309

VERTICAL INTENSITY

50943 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1943 — APRIL 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				686	695	703	697	693	688	684	702	703	696	692	686	682	683	686	689	699	713	712	714	712	712	715	711	698	0	22 38	719	0 50	671	48
2				705	698	688	692	699	700	701	702	699	693	693	689	685	685	693	694	696	703	708	709	713	715	705	702	699	0	20 43	718	13 42	683	35
3			✓	695	695	695	696	698	698	701	702	706	704	695	690	686	682	689	698	697	707	732	721	718	706	703	696	700	1	18 26	744	12 40	676	68
4				698	685	693	698	698	700	699	705	709	711	708	699	689	682	682	692	695	700	709	719	706	708	702	702	700	1	19 08	739	1 35	656	83
5				704	700	688	687	693	698	703	708	706	700	695	681	671	675	681	689	700	706	716	713	710	715	715	706	698	1	18 40	721	12 23	669	52
6			✓	685	702	700	698	696	703	700	704	712	708	694	682	675	674	680	683	694	717	717	729	742	710	710	706	701	1	20 19	770	0 41	659	111
7				704	699	698	697	698	702	706	705	706	706	697	687	673	668	671	681	694	696	698	704	712	719	703	706	697	0	21 28	722	13 15	665	57
8	✓			703	699	702	692	692	697	704	708	708	700	685	675	663	664	674	685	696	700	700	707	706	705	706	705	695	0	7 42	711	12 56	657	54
9	✓	✓		701	701	700	698	698	698	701	708	711	709	699	683	671	669	674	685	690	695	698	701	701	701	702	702	696	0	8 45	713	13 41	667	46
10			✓	700	698	697	694	694	695	698	703	710	710	697	679	669	672	681	698	720	722	730	740	737	725	716	713	704	1	19 54	757	13 03	664	93
11			✓	699	699	700	685	690	699	699	693	697	704	697	694	699	695	716	726	735	745	739	744	725	725	727	726	711	0	19 23	763	10 55	689	74
12	✓			719	712	701	700	690	701	706	705	706	706	701	695	688	684	687	695	700	705	705	708	709	711	708	706	702	0	0 13	724	13 30	682	42
13	✓	✓		706	705	704	703	702	702	704	708	711	708	701	694	681	674	675	682	691	698	701	702	703	703	703	703	698	0	8 30	712	13 18	671	41
14	✓	✓		703	701	700	698	698	699	699	702	708	708	698	678	662	661	672	683	692	698	701	701	701	701	701	700	694	0	9 13	709	13 05	656	53
15				701	698	698	698	697	697	699	704	704	699	690	676	662	658	664	669	679	693	697	700	704	703	700	696	691	0	21 01	710	13 24	654	56
16				699	697	695	697	695	698	698	698	698	698	692	685	671	664	668	684	693	704	710	707	709	711	708	701	695	0	21 23	715	13 20	655	60
17				696	693	694	696	694	698	703	704	707	700	689	676	666	663	669	683	692	698	704	705	702	701	701	702	693	0	7 57	710	14 05	659	51
18	✓			700	696	694	693	696	696	699	704	707	703	695	684	680	677	681	686	690	695	696	700	702	701	700	697	695	0	7 54	709	13 21	675	34
19	✓			695	694	693	694	695	697	698	701	701	697	690	678	667	672	680	682	690	695	700	702	701	704	704	696	693	0	22 03	707	12 40	664	43
20				694	693	694	694	694	696	699	703	707	706	699	690	679	675	681	686	689	694	696	709	712	704	699	701	696	0	19 59	721	13 05	672	49
21				697	689	691	693	698	698	701	704	701	694	688	674	663	666	675	680	687	695	701	722	706	707	719	702	694	1	19 22	736	12 50	659	77
22				696	696	695	682	696	698	701	706	707	703	695	681	669	674	681	685	694	701	700	703	703	703	703	702	695	0	7 53	709	12 33	667	42
23	✓	✓		698	694	693	693	695	694	697	706	712	709	702	690	678	673	675	677	683	690	693	696	694	695	695	694	693	0	8 37	713	13 07	671	42
24	✓	✓		692	689	688	687	688	688	690	695	702	703	698	688	676	675	679	684	690	695	697	699	699	700	699	698	692	0	8 30	705	13 14	671	34
25				696	694	694	693	692	692	694	697	698	697	693	687	679	677	684	684	692	697	698	701	705	707	704	703	694	0	21 14	708	13 33	675	33
26			✓	698	698	694	692	693	686	690	693	692	704	714	709	701	703	706	710	713	723	721	739	730	717	713	712	706	1	19 30	745	5 24	682	63
27	✓			713	709	698	693	690	685	692	690	700	703	701	698	691	689	689	691	694	699	699	700	700	703	703	702	697	0	1 08	715	5 46	681	34
28				698	697	694	694	697	697	697	697	698	696	693	690	680	676	680	684	691	697	697	697	697	697	696	695	693	0	0 09	699	13 00	671	28
29				694	693	691	691	692	688	696	693	699	705	704	695	686	684	688	695	699	711	720	705	700	699	699	697	697	0	18 37	725	5 19	680	45
30				696	691	695	695	688	690	691	693	699	697	695	695	693	687	690	694	697	710	731	706	706	710	700	696	698	1	18 24	741	13 48	681	60
31																																		
MEANS ALL DAYS				699	697	696	694	695	696	698	701	704	703	696	687	678	676	682	688	696	703	708	710	709	707	705	703	697						54
MEANS TEN DAYS ✲				703	700	697	695	694	696	699	703	707	705	697	686	676	674	679	685	692	697	699	702	702	702	702	700	695						42
MEANS FIVE DAYS † (G. M. T.)				698	696	695	694	694	694	696	704 700	709 704	707	700	687	674	670	675	682	689	695	698	700	700	700	700	699	694						
MEANS FIVE DAYS ‡ (G. M. T.)				707	701	698	695	693	697	700	700	703	706	699	691	686	685	694	703	712	723	728	735	730	717	714	711	705						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 310

VERTICAL INTENSITY

50943 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1943 — MAY 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	694	691	689	689	687	691	692	698	699	703	705	706	698	696	698	718	712	738	750	718	721	720	712	716	706	1	18	25	787	4 20	681	106
2				693	697	673	664	671	686	681	690	702	696	698	664	693	695	696	695	709	731	713	714	711	712	714	692	695	1	16	56	773	3 41	651	122
3				688	690	691	692	694	698	698	698	705	704	697	690	684	684	685	687	692	700	703	707	710	711	712	707	697	0	20	11	725	0 01	673	52
4				693	690	692	692	690	693	685	680	700	701	695	685	678	678	681	684	690	697	702	704	705	704	702	699	692	0	19	55	707	7 04	670	37
5				697	695	691	690	695	692	690	699	701	701	697	689	679	675	676	684	691	697	698	701	709	710	706	702	694	0	20	34	717	14 10	673	44
6	✓			698	694	690	691	692	691	689	692	695	694	693	687	681	681	680	683	689	692	695	694	701	701	704	704	692	0	22	37	708	14 31	679	29
7	✓	✓		697	693	691	690	691	692	692	693	698	699	694	688	684	681	681	684	688	694	697	701	701	700	700	698	693	0	20	00	705	13 10	679	26
8	✓	✓		695	692	691	691	691	691	694	695	701	702	699	693	686	680	679	681	686	693	695	696	699	699	699	698	693	0	8	53	704	14 01	678	26
9	✓	✓		697	694	693	691	691	691	691	691	698	701	700	698	691	683	681	682	688	694	697	697	699	699	700	700	694	0	9	42	706	14 19	679	27
10	✓			696	692	691	690	690	689	688	687	693	694	694	691	684	678	674	677	683	688	689	690	694	696	696	694	689	0	21	40	699	14 07	674	25
11	✓			694	692	692	688	685	684	683	684	689	688	685	680	677	671	673	678	683	690	690	690	690	690	690	689	686	0	0	15	696	13 52	670	26
12				690	691	687	686	687	686	683	685	687	687	686	686	686	687	684	685	695	695	693	695	694	693	692	690	689	0	19	40	698	7 06	681	17
13				690	691	691	692	686	687	685	685	689	684	675	673	670	672	674	685	695	710	703	701	704	701	704	702	690	0	17	54	715	13 00	667	48
14				698	690	693	694	697	691	691	688	685	685	685	681	680	681	683	686	691	699	704	705	701	699	698	697	692	0	19	06	710	12 06	678	32
15			✓	694	692	692	693	694	694	690	686	690	684	690	698	688	691	691	691	698	704	707	720	705	705	707	704	696	1	19	12	742	10 03	678	64
16				696	697	697	698	696	694	693	695	697	696	691	685	681	680	681	687	690	697	699	707	719	711	705	702	696	0	20	30	727	14 12	676	51
17				701	700	703	702	692	697	693	689	691	692	689	682	682	676	673	688	696	705	703	703	703	702	700	699	694	0	17	41	714	13 59	668	46
18			✓	698	684	689	696	690	693	690	689	692	688	700	698	686	683	692	697	705	700	719	719	707	704	701	695	696	1	18	53	745	13 50	681	64
19				695	692	692	689	693	695	694	698	696	698	694	687	681	684	682	695	699	706	709	708	718	721	704	702	697	1	21	00	739	14 14	679	60
20	✓			695	692	692	694	682	691	696	696	699	701	696	689	687	688	688	689	695	699	701	705	707	707	707	704	696	0	20	00	716	4 55	672	44
21	✓	✓		701	698	696	695	695	697	697	697	697	697	697	696	695	696	693	690	693	697	704	700	702	701	700	700	697	0	18	29	705	15 30	689	16
22	✓	✓		697	693	691	691	693	693	693	692	697	703	703	700	695	689	686	686	689	695	696	697	699	700	699	698	695	0	9	20	705	14 20	685	20
23				696	694	692	691	691	691	690	690	693	695	693	687	683	680	683	685	691	696	712	711	703	705	705	702	694	0	19	00	726	13 56	678	48
24			✓	700	695	692	689	686	686	685	685	688	697	693	701	707	699	695	692	698	701	703	701	701	704	727	705	697	1	22	34	741	6 24	682	59
25				708	704	695	688	688	688	683	679	683	689	693	688	692	693	695	704	707	707	707	717	704	721	708	701	698	1	21	49	738	3 10	677	61
26				704	695	682	688	691	685	689	688	695	702	703	701	698	694	691	692	697	700	700	702	703	706	709	705	697	0	22	38	714	2 49	674	40
27				705	698	691	694	694	689	689	684	691	691	689	685	686	689	694	697	703	703	703	701	700	702	703	702	695	0	17	08	711	7 42	681	30
28			✓	700	697	691	691	694	689	686	688	695	702	703	702	696	699	690	694	705	718	715	703	706	703	709	705	699	1	17	51	739	5 58	677	62
29				692	690	689	688	690	695	694	687	689	696	696	698	697	690	695	695	704	712	702	701	702	704	698	696	696	0	16	59	722	2 22	684	38
30				694	695	695	688	694	696	698	698	698	698	694	686	682	684	690	701	699	703	703	703	701	702	702	698	696	0	15	18	711	3 17	678	33
31	✓			694	692	693	693	698	698	696	696	697	696	691	682	680	682	683	688	694	699	700	703	702	700	699	698	694	0	19	48	708	12 10	678	30
MEANS ALL DAYS				696	694	691	691	691	691	690	690	695	696	694	690	687	685	685	690	695	702	704	704	704	704	704	700	695							45
MEANS TEN DAYS ✲				696	693	692	691	691	692	692	692	696	698	695	690	686	683	682	684	689	694	696	697	699	699	699	698	693							27
MEANS FIVE DAYS † (G. M. T.)				696	693	692	691	691	691	691	694 691	698 696	700	699	695	690	686	684	685	689	695	698	698	700	700	700	699	694							
MEANS FIVE DAYS ‡ (G. M. T.)				697	696	689	685	688	692	689	690	693	695	698	701	695	694	693	698	704	712	719	712	708	707	711	705	699							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⧖ = NO RECORD

TABLE 311

VERTICAL INTENSITY

50942 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1943 — JUNE 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M		MINIMUM H	MINIMUM M		RANGE
1				693	689	688	691	692	694	694	692	700	697	693	683	682	683	688	691	694	700	702	701	705	703	701	699	694	0	20	28	712	11	43	681	31
2				696	694	692	694	694	687	695	694	696	699	695	685	684	684	684	689	697	698	709	709	711	707	703	700	696	0	20	19	714	14	37	680	34
3	✓			699	696	694	694	696	695	696	694	697	699	691	680	680	681	684	691	697	700	702	702	703	702	701	700	695	0	21	56	705	11	33	677	28
4	✓	✓		698	694	693	692	693	693	694	694	694	698	693	686	685	683	684	685	690	694	698	701	702	700	699	697	693	0	20	03	703	13	10	682	21
5	✓			694	692	690	690	690	692	692	693	697	701	701	694	685	679	678	680	690	693	696	699	699	699	698	695	692	0	9	20	704	13	55	676	28
6				694	692	685	685	685	685	687	689	692	697	702	693	687	689	685	690	698	700	697	695	698	700	700	700	693	0	10	00	704	2	44	679	25
7				696	694	692	691	691	691	691	692	698	701	701	698	693	688	686	685	691	693	694	700	714	706	703	705	696	0	20	27	716	15	02	683	33
8			✓	699	694	695	693	690	693	690	692	693	706	710	697	699	698	696	696	698	723	713	710	716	714	719	720	702	1	17	42	745	11	49	684	61
9			✓	709	686	700	697	693	691	687	692	690	695	693	689	692	691	687	688	695	729	710	703	704	712	705	704	698	1	17	30	748	6	43	680	68
10				700	701	693	686	695	695	694	693	694	695	694	690	692	694	691	692	711	714	717	705	711	710	711	703	699	1	18	26	773	3	20	680	93
11				702	697	698	697	699	698	689	693	689	688	687	686	686	686	687	689	695	696	697	706	711	705	703	709	696	0	20	10	722	13	51	684	38
12				702	700	696	698	696	695	693	689	687	686	687	687	685	692	689	690	708	700	702	705	708	711	709	705	697	1	16	24	716	12	50	681	35
13				702	701	702	695	700	698	697	694	694	692	694	694	691	694	694	696	700	702	701	702	709	705	703	700	698	1	20	31	730	11	09	686	44
14				698	699	698	694	699	695	696	695	697	691	696	693	689	696	692	694	701	702	714	704	704	700	701	698	698	0	18	13	720	9	44	687	33
15	✓			699	696	697	699	699	700	700	699	699	697	694	691	691	691	691	695	703	704	703	705	704	701	700	699	698	0	17	30	707	12	35	690	17
16	✓	✓		699	697	696	697	697	696	697	693	697	701	694	688	685	689	694	696	700	703	703	703	704	703	701	698	697	0	17	42	706	12	25	684	22
17	✓	✓		697	696	696	696	696	696	696	693	696	702	700	696	692	691	693	694	696	700	702	703	702	702	701	697	697	0	19	36	704	13	15	688	16
18	✓	✓		695	694	694	693	695	695	695	695	699	702	701	694	690	687	685	685	691	695	698	701	701	701	700	697	695	0	9	50	703	14	34	683	20
19				694	692	691	691	691	690	689	690	694	700	700	690	687	681	677	680	689	693	694	700	702	699	697	696	692	0	19	40	704	14	30	676	28
20				696	693	688	686	686	685	688	692	680	693	706	703	700	698	692	691	695	699	713	706	708	707	706	701	696	1	18	10	722	8	50	675	47
21				694	693	684	684	688	688	689	684	693	695	700	703	696	690	686	690	697	698	715	707	712	711	709	709	696	1	18	40	728	3	12	680	48
22				694	689	680	686	689	686	692	692	695	696	696	695	702	696	694	702	714	700	704	705	713	707	700	698	697	1	16	02	742	2	19	670	72
23			✓	700	690	691	692	690	684	689	691	696	699	698	699	690	687	693	690	696	701	697	702	715	718	703	711	697	1	21	00	757	1	50	676	81
24			✓	708	695	688	687	682	688	684	682	687	692	696	699	698	706	696	708	701	696	706	706	706	702	696	696	696	1	15	40	718	4	42	677	41
25				689	684	686	698	697	693	692	692	692	692	700	695	695	694	692	699	702	701	709	700	706	707	698	699	696	0	18	14	727	1	13	678	49
26	✓			695	690	695	696	694	693	694	692	694	694	695	694	696	697	695	695	699	700	699	698	700	702	697	697	696	0	21	40	711	1	16	686	25
27				698	696	696	697	696	698	696	693	693	696	695	692	688	686	688	695	699	698	698	699	699	698	696	695	695	0	23	17	703	14	10	684	19
28			✓	690	688	688	689	692	690	685	692	696	695	692	682	682	680	679	689	702	703	703	708	719	706	699	698	694	1	20	32	730	14	30	673	57
29	✓			695	697	696	682	700	699	699	698	698	693	690	687	686	688	689	693	700	703	703	705	705	703	699	699	696	0	19	37	710	3	33	668	42
30	✓	✓		696	696	696	696	696	696	696	697	702	702	698	688	681	680	684	692	698	701	700	702	702	702	702	696	696	0	21	08	709	13	11	679	30
31																																				
MEANS ALL DAYS				697	694	693	692	693	693	693	692	694	696	696	692	690	689	688	692	698	701	703	703	706	705	702	701	696								40
MEANS TEN DAYS ✲				697	695	695	694	696	696	696	695	697	699	696	690	687	687	688	691	696	699	700	702	702	702	700	698	696								25
MEANS FIVE DAYS † (G. M. T.)				695	693	693	693	693	694	694	694 693	698 697	701	697	690	687	686	688	690	695	699	700	702	702	702	701	697	695								
MEANS FIVE DAYS ‡ (G. M. T.)				700	693	693	690	693	693	691	691	692	697	698	693	692	692	690	694	698	710	706	706	712	710	704	706	698								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 312

VERTICAL INTENSITY

JULY 1943 — JULY 1943

50942 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120th MERIDIAN MEAN TIME)

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		695	693	693	694	695	696	698	696	699	701	698	695	695	691	686	687	695	701	701	701	701	701	700	698	696	0	19	50	702	15 00	685	17
2	✓			694	691	691	691	692	692	692	691	693	695	693	690	681	671	672	679	690	695	697	698	699	698	696	693	691	0	20	07	700	13 50	667	33
3				691	690	689	688	686	689	690	689	695	698	695	692	688	689	687	689	711	705	705	705	707	708	708	701	696	0	16	08	717	12 43	683	34
4			✓	698	690	691	692	692	694	696	697	702	704	705	698	692	689	685	682	694	699	694	694	704	706	704	705	696	1	21	41	709	15 30	681	28
5			✓	741	698	689	690	662	691	687	689	693	692	686	686	683	684	688	683	697	700	705	706	706	711	712	706	695	1	0	43	769	4 21	643	126
6			✓	700	696	687	684	690	689	676	685	696	696	698	700	695	696	696	692	697	700	733	706	703	716	715	712	698	1	18	26	753	6 36	663	90
7				698	698	696	690	681	690	690	687	700	705	706	698	692	693	687	687	695	698	699	701	705	703	706	708	696	1	23	17	725	4 17	673	52
8			✓	699	695	695	694	691	686	689	693	695	700	705	700	698	678	679	690	702	698	701	721	708	707	704	703	697	1	19	41	738	13 50	668	70
9			✓	703	696	697	690	685	695	694	693	694	699	703	700	692	692	690	698	703	702	706	715	703	706	709	709	699	1	19	13	739	4 24	683	56
10				704	701	687	693	691	689	691	691	692	695	693	692	688	681	693	694	701	707	710	712	704	706	706	706	697	1	17	54	748	2 07	673	75
11				703	696	697	693	696	696	695	691	693	695	696	693	689	692	693	696	712	706	703	705	707	712	698	701	698	1	21	18	738	12 13	686	52
12				702	692	698	700	697	699	694	686	690	703	699	697	693	690	690	690	696	707	701	702	704	702	701	703	697	1	17	05	714	8 06	683	31
13				696	696	699	699	689	694	696	694	699	695	697	695	688	682	683	689	695	698	702	701	701	701	701	711	696	1	23	39	721	4 54	678	43
14	✓	✓		707	698	695	694	693	695	695	695	701	705	703	698	691	681	679	681	694	701	701	700	700	699	698	697	696	0	0	06	713	14 55	678	35
15				697	694	695	697	700	699	698	699	704	707	703	690	684	683	680	692	700	702	703	706	716	710	714	713	699	0	20	46	724	14 07	678	46
16				707	704	701	695	702	699	699	698	706	708	706	700	692	678	676	684	696	706	707	711	715	718	718	714	702	0	21	43	724	14 32	674	50
17				709	705	702	701	698	697	701	704	706	704	703	695	691	688	687	691	700	703	705	705	706	705	705	704	701	0	0	18	710	14 10	684	26
18				703	697	695	696	696	697	697	696	706	709	708	698	686	679	685	686	699	703	700	714	717	723	720	701	700	0	22	07	744	13 36	669	75
19				703	694	691	692	682	693	695	689	703	712	713	715	703	690	683	694	696	701	702	703	705	708	708	699	699	0	11	32	719	4 17	674	45
20				705	703	691	691	691	688	695	698	713	714	716	704	692	687	683	684	694	699	699	702	705	707	707	701	699	0	10	19	722	14 10	682	40
21				697	698	695	692	694	692	692	694	698	707	709	701	683	683	685	693	695	700	705	707	707	708	704	703	698	0	9	47	720	13 04	676	44
22				694	693	693	695	693	692	692	694	702	708	710	700	687	678	680	687	692	700	713	700	704	707	701	696	696	1	18	19	724	13 45	672	52
23	✓			699	696	689	689	691	692	693	699	705	708	708	700	683	679	680	686	695	697	696	699	700	702	701	702	695	0	10	44	712	14 05	676	36
24	✓	✓		700	692	691	690	693	695	695	695	701	704	704	701	696	687	685	688	696	700	700	698	698	698	698	697	696	0	10	01	708	14 06	682	26
25	✓	✓		695	696	697	697	698	697	696	697	705	713	709	702	689	685	683	688	696	697	697	696	696	695	695	694	696	0	9	40	716	14 30	682	34
26	✓			693	692	692	692	691	692	691	690	697	700	700	693	682	680	678	681	690	694	694	694	694	694	694	693	691	0	9	10	704	13 45	677	27
27	✓			691	693	691	697	688	691	691	696	707	711	702	696	686	682	683	688	691	699	699	700	703	704	705	705	696	0	9	24	715	13 24	680	35
28	✓			695	693	694	695	695	695	694	695	699	701	699	695	682	677	679	685	691	698	698	701	704	707	694	691	694	0	21	15	715	13 50	676	39
29	✓	✓		690	690	691	691	691	692	694	698	702	705	701	692	685	678	675	679	692	697	697	698	698	698	696	694	693	0	9	07	706	14 05	673	33
30				692	690	690	691	692	693	692	689	695	695	692	687	672	677	683	686	693	701	710	705	707	709	727	712	695	1	22	32	739	12 40	665	74
31				692	683	688	681	689	692	693	692	692	701	697	689	679	676	682	689	692	692	707	714	701	707	705	701	693	0	19	18	723	13 50	673	50
MEANS ALL DAYS				700	695	693	693	691	693	693	694	699	703	702	697	688	684	684	688	696	700	703	704	704	706	705	702	697							48
MEANS TEN DAYS *				696	693	692	693	693	694	694	695	701	704	702	696	687	681	680	684	693	698	698	698	699	700	698	696	694							32
MEANS FIVE DAYS † (G. M. T.)				694	693	693	694	695	695	694	696 693	702 699	706	703	698	691	684	682	685	695	699	699	699	699	698	697	696	695							
MEANS FIVE DAYS ‡ (G. M. T.)				709	698	691	689	682	691	688	689	696	698	699	697	692	688	688	689	699	700	708	708	705	709	709	707	697							

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 313

VERTICAL INTENSITY

50942 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1943 AUGUST 1943

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MAXIMUM	MINIMUM H	MINIMUM M	MINIMUM	RANGE
1	✓			698	691	695	694	694	693	692	702	705	706	702	691	682	673	685	689	696	702	705	714	736	707	707	702	698	0	20	13	761	13	16	670	91
2				698	705	690	686	691	691	698	701	710	713	702	682	671	672	678	690	693	700	701	708	704	707	711	710	696	1	22	08	724	12	30	669	55
3				702	694	678	691	691	689	692	688	705	709	698	698	692	686	679	694	692	713	703	706	708	722	708	706	698	1	21	25	743	2	26	662	81
4				701	695	698	686	692	695	695	695	707	708	703	694	698	691	686	687	701	702	708	704	715	714	717	714	700	1	20	45	740	14	59	678	62
5				707	697	692	690	690	691	692	696	704	706	705	700	694	685	685	699	697	708	700	701	708	718	723	712	700	1	21	05	730	14	10	678	52
6	✓			707	697	691	693	683	694	697	700	705	704	699	694	690	683	685	688	709	705	706	708	711	712	711	710	699	0	21	44	717	4	25	678	39
7				707	703	693	697	690	694	694	699	699	701	697	689	673	665	667	679	689	719	710	718	721	714	713	710	698	1	17	50	763	13	54	660	103
8			✓	699	699	699	699	699	698	696	698	703	705	704	698	692	680	676	680	694	696	713	712	740	730	755	742	704	1	23	02	778	14	01	673	105
9				727	713	679	671	663	672	682	681	670	681	715	702	694	692	688	688	705	709	707	709	711	719	721	717	696	1	0	00	755	8	03	651	104
10	✓	✓		711	703	694	697	701	702	701	702	712	718	718	716	706	702	698	695	698	704	705	704	707	708	708	705	705	0	10	20	722	15	20	692	30
11	✓	✓		705	702	702	703	702	701	700	702	706	710	709	703	699	690	686	691	697	702	704	704	705	705	705	706	702	0	9	33	711	14	08	685	26
12	✓			703	701	699	699	702	700	697	698	708	714	714	708	692	683	682	685	698	705	705	706	705	704	703	703	701	0	10	17	715	14	13	680	35
13			✓	703	699	695	694	696	702	700	696	699	705	703	697	691	689	693	693	706	738	735	736	736	723	710	710	706	1	20	54	788	12	29	684	104
14				698	695	686	674	691	660	699	691	704	708	708	705	693	684	689	687	698	705	714	727	711	710	712	698	698	1	20	00	754	5	34	636	118
15				688	684	700	689	688	691	685	694	706	709	709	706	696	688	688	692	700	703	704	705	706	712	704	696	698	0	21	27	718	0	54	663	55
16				697	696	691	678	698	691	694	697	701	704	708	708	690	692	714	710	696	705	719	724	720	711	708	702	702	1	18	55	767	3	10	671	96
17				696	689	691	699	698	697	698	703	711	712	714	703	691	693	696	701	711	707	713	711	707	707	710	712	703	1	23	34	726	1	52	680	46
18				702	692	693	696	691	692	699	706	706	711	710	707	704	702	695	690	702	714	751	714	732	718	711	710	706	1	18	10	828	1	47	673	155
19				695	705	700	700	701	702	704	706	714	714	712	707	693	687	689	697	709	718	729	724	733	743	733	715	710	1	20	02	764	14	05	684	80
20			✓	714	699	689	706	686	693	694	690	696	712	707	703	697	688	696	692	696	703	734	719	719	720	718	711	703	1	18	45	776	2	00	671	105
21	✓			708	708	701	699	700	702	699	705	707	714	724	723	706	705	698	697	703	709	705	706	711	726	711	710	707	0	21	22	742	2	50	678	64
22	✓	✓		709	707	706	705	703	701	703	709	720	723	723	712	697	694	691	693	699	704	707	707	710	708	708	709	706	0	9	53	726	14	24	690	36
23	✓	✓		710	706	706	703	705	704	699	704	717	722	717	710	705	691	688	690	697	703	703	705	707	710	717	712	705	0	9	40	725	14	35	685	40
24				711	707	706	706	704	703	698	691	704	711	718	711	700	698	704	701	705	707	709	712	710	712	710	716	706	1	10	43	720	7	43	686	34
25				712	698	704	705	703	701	701	707	714	714	713	714	699	695	698	699	707	710	707	708	710	710	717	716	707	0	23	47	726	13	40	689	37
26	✓			704	700	698	702	699	698	689	689	707	713	711	713	716	702	713	715	719	710	712	721	711	711	710	710	707	0	16	29	735	7	03	682	53
27	✓	✓		703	705	704	701	705	706	708	715	724	723	716	710	699	692	695	701	705	709	710	710	711	710	709	707	707	0	9	19	727	13	49	691	36
28				706	705	706	707	705	705	707	709	713	713	711	703	695	690	687	690	694	700	709	725	723	745	759	724	710	1	21	48	783	14	00	683	100
29				721	706	706	707	706	707	698	688	710	704	708	705	704	700	693	701	713	716	723	720	726	739	728	697	709	1	21	08	783	23	19	668	115
30			✓	708	700	698	690	704	709	712	712	712	715	713	703	694	683	685	694	713	720	727	738	757	751	732	735	713	1	20	30	773	15	12	676	97
31			✓	719	712	703	700	700	691	698	706	700	702	704	694	710	712	737	759	778	787	788	782	749	703	699	766	725	2	20	40	822	21	55	654	168
MEANS ALL DAYS				705	700	697	696	696	696	697	699	706	710	710	704	696	690	692	696	704	711	715	716	716	717	716	713	704								75
MEANS TEN DAYS ✲				706	702	700	700	699	700	698	703	711	715	713	708	699	692	692	694	702	705	706	708	711	710	709	707	704								45
MEANS FIVE DAYS † (G. M. T.)				707	704	704	704	704	703	700	706 701	716 710	719	717	710	701	694	692	694	699	704	706	706	708	708	709	708	705								
MEANS FIVE DAYS ‡ (G. M. T.)				712	703	693	687	690	686	697	699	702	708	706	699	697	690	697	704	717	729	739	737	740	725	723	733	709								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 314

VERTICAL INTENSITY

50942 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1943

SEPTEMBER 1943

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				709	689	694	691	696	703	709	713	722	718	716	704	691	691	704	703	718	722	735	732	730	737	729	715	711	1	20 15	769	1 30	678	91
2				722	718	701	703	706	707	709	713	719	721	725	716	708	703	703	704	715	718	725	735	740	741	738	725	717	1	21 51	767	2 45	694	73
3			✓	724	717	710	694	709	706	688	700	720	723	721	718	712	696	697	713	723	732	722	748	739	738	747	719	717	1	19 06	782	6 29	674	108
4				713	704	708	703	707	704	700	707	710	716	717	717	710	698	710	703	722	714	743	726	717	723	722	720	713	1	18 38	773	6 53	688	85
5				722	709	710	704	709	710	711	714	719	721	722	719	703	697	699	699	708	713	714	723	715	719	720	720	712	1	19 06	738	13 49	692	46
6	✓			708	717	709	705	706	707	707	714	725	724	723	717	708	706	704	708	707	714	714	721	717	718	718	714	713	0	19 06	730	0 18	696	34
7	✓	✓		715	715	710	710	712	710	712	713	719	718	714	706	696	689	688	692	703	708	712	711	714	716	717	715	709	0	21 59	721	14 29	687	34
8				713	710	707	708	710	708	707	707	713	714	716	707	696	687	690	696	705	711	714	717	718	717	717	714	708	0	20 13	724	13 32	685	39
9				714	708	687	717	711	695	696	702	708	710	708	706	703	701	700	706	712	728	733	716	718	718	727	720	710	1	18 20	749	2 21	668	81
10				712	708	704	703	709	701	697	697	713	720	722	716	702	692	692	696	708	732	753	727	717	709	714	713	711	1	18 36	781	13 45	684	97
11				711	711	709	709	702	704	698	710	719	725	728	716	704	693	693	700	717	717	716	715	718	730	720	708	711	0	22 00	752	14 43	690	62
12				709	702	707	707	706	690	698	723	728	727	724	705	687	682	683	691	707	731	731	727	711	710	711	710	709	1	17 50	762	5 16	676	86
13				710	706	706	700	710	713	716	721	722	723	722	716	697	695	695	697	704	711	721	744	732	730	722	714	714	1	19 28	758	13 07	689	69
14				698	711	700	702	709	714	717	724	727	727	718	705	696	686	686	690	703	712	733	729	725	720	718	712	711	1	19 17	736	13 42	684	52
15	✓			709	709	709	693	698	706	711	716	721	725	721	710	698	692	701	705	709	716	717	718	722	725	725	716	711	0	22 45	731	3 37	685	46
16	✓	✓		717	712	704	697	708	710	711	712	723	732	725	714	701	692	695	702	706	711	716	719	721	721	722	718	712	0	9 46	734	13 51	685	49
17	✓			707	709	705	702	699	702	709	714	727	730	725	714	708	697	697	700	705	708	712	717	720	721	720	717	711	0	9 23	733	14 00	691	42
18	✓	✓		712	711	708	706	702	706	708	714	724	725	719	706	697	693	694	701	706	711	714	714	715	716	716	715	710	0	9 26	730	13 27	690	40
19	✓			715	715	710	709	707	705	694	700	718	722	720	713	704	700	700	701	705	709	722	718	714	715	715	712	710	0	18 44	730	6 52	690	40
20	✓	✓		715	713	706	712	711	710	709	714	721	722	719	710	703	697	697	700	704	707	708	709	710	715	721	718	710	0	22 49	725	14 32	692	33
21				713	712	710	710	707	707	707	713	713	713	707	709	703	701	703	709	705	710	731	743	721	714	711	711	712	1	19 10	779	13 23	697	82
22				709	708	703	690	709	714	714	715	719	719	713	708	701	696	698	705	704	710	714	717	720	722	715	714	710	1	21 16	734	3 18	682	52
23	✓			706	695	704	702	703	710	713	716	717	720	717	713	705	698	699	703	713	720	716	720	717	713	713	712	710	0	19 49	726	1 15	686	40
24	✓	✓		710	710	709	707	708	707	709	713	716	712	701	689	682	683	687	691	698	707	711	711	711	712	711	711	704	0	8 45	718	12 30	681	37
25				710	709	711	709	706	707	708	714	717	715	704	690	671	663	681	698	712	719	720	724	725	727	717	709	707	1	21 10	732	13 21	658	74
26			✓	705	702	708	708	709	709	709	710	714	717	708	694	679	676	682	706	699	722	720	716	721	731	765	731	710	1	22 19	797	12 48	673	124
27				709	702	710	710	700	695	707	712	714	714	703	695	691	691	698	699	704	718	744	732	716	718	719	711	709	1	18 53	778	12 24	688	90
28			✓	710	701	685	698	713	704	710	716	716	712	709	698	685	685	703	711	729	743	737	736	744	734	728	717	714	1	20 14	770	12 53	676	94
29			✓	716	688	694	709	707	698	710	723	720	718	709	697	685	684	691	701	739	759	770	784	734	741	717	729	718	1	19 55	810	13 26	679	131
30			✓	717	718	712	685	697	710	713	716	716	712	706	704	696	692	697	701	719	720	731	737	726	721	716	704	711	1	19 02	809	3 23	673	136
31																																		
MEANS ALL DAYS				712	708	705	703	706	706	707	713	719	720	716	708	697	692	696	701	710	718	725	726	722	722	722	715	711						69
MEANS TEN DAYS ✲				711	711	707	704	705	707	708	713	721	723	718	709	700	695	696	700	706	711	714	716	716	717	718	715	710						40
MEANS FIVE DAYS † (G. M. T.)				712	711	709	708	706	706	705	713 710	721 718	722	716	705	696	691	692	697	703	709	712	713	714	716	717	715	709						
MEANS FIVE DAYS ‡ (G. M. T.)				714	705	703	701	703	697	707	715	717	716	711	702	691	687	694	706	722	735	736	744	733	733	735	720	714						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 315

VERTICAL INTENSITY

50942 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	714	712	692	699	702	679	704	715	718	722	713	706	706	696	706	708	715	723	734	735	729	733	728	733	713	1	17 59	762	5 27	673	89
2			✓	721	707	710	709	699	710	715	716	709	711	709	701	693	696	705	709	714	724	738	725	723	734	737	728	714	1	18 05	757	12 43	690	67
3			✓	708	723	694	714	700	704	710	719	717	717	714	704	698	696	702	727	726	765	747	735	722	717	719	730	717	1	17 34	788	2 25	671	117
4				714	715	712	710	709	704	706	725	723	718	710	699	694	691	699	701	707	733	732	731	735	721	722	721	714	1	20 49	755	13 24	686	69
5	✓			711	712	716	716	715	715	719	721	723	714	704	700	695	693	701	710	715	720	720	721	726	720	720	721	714	0	20 26	735	13 34	692	43
6	✓	✓		720	721	712	707	712	719	722	722	722	716	708	697	686	682	685	697	712	719	722	722	724	725	725	722	712	0	22 00	728	13 39	680	48
7				716	717	716	716	716	716	719	722	727	717	705	695	683	678	682	697	708	711	714	716	719	735	753	730	713	1	22 31	762	13 32	676	86
8				718	720	711	711	710	717	711	710	717	713	705	695	691	689	695	705	714	717	718	764	734	724	717	720	714	1	19 48	820	13 07	688	132
9			✓	701	710	719	702	714	719	715	714	711	706	702	693	690	693	693	737	732	732	743	733	728	724	721	717	715	1	18 50	759	14 25	681	78
10				693	707	710	710	708	712	719	730	725	716	707	702	691	686	693	707	725	719	723	725	725	728	720	720	713	0	21 24	742	0 27	678	64
11	✓			709	717	716	717	717	719	720	723	722	714	702	695	690	690	697	709	720	729	729	732	721	715	715	713	714	0	19 38	739	14 00	689	50
12				713	710	717	713	712	719	726	726	730	722	714	702	693	690	699	704	712	722	724	724	724	724	722	721	715	0	8 22	733	13 54	687	46
13	✓			718	712	715	713	713	721	724	729	730	722	710	696	686	683	686	696	708	716	720	722	727	731	721	718	713	0	20 56	741	13 10	682	59
14	✓	✓		718	715	712	714	716	718	720	727	729	724	711	698	689	686	689	698	711	718	719	719	709	711	709	708	711	0	7 58	732	13 20	685	47
15	✓	✓		705	701	700	697	698	702	704	706	709	708	700	680	660	652	658	678	696	708	713	713	715	718	718	717	698	0	22 10	720	13 35	651	69
16	✓	✓		714	712	710	709	710	711	714	720	720	711	693	671	656	655	664	675	693	703	709	712	715	719	722	720	702	0	23 14	725	13 11	653	72
17				716	710	708	705	705	705	708	717	721	714	698	675	663	660	666	681	702	718	715	733	745	727	719	717	705	0	20 40	749	13 24	660	89
18	✓	✓		715	713	709	706	705	709	713	720	722	714	700	684	682	678	681	691	703	707	709	713	715	717	723	720	706	0	22 27	732	13 25	677	55
19	✓			713	713	716	710	710	713	712	716	723	722	703	686	680	676	679	691	705	717	718	718	722	719	717	711	708	0	20 14	727	13 20	674	53
20				712	713	713	714	713	712	714	719	723	717	703	688	680	676	683	695	706	708	710	710	713	714	718	726	708	0	23 45	730	13 20	675	55
21	✓			723	722	702	708	706	709	710	716	718	715	702	698	690	686	691	702	712	715	715	715	716	717	717	717	709	0	1 43	729	13 24	684	45
22				718	717	717	715	716	717	721	724	722	714	693	681	681	679	679	687	701	713	724	754	742	736	730	713	712	1	19 34	774	14 29	678	96
23				720	720	710	715	717	712	714	722	710	701	694	694	691	691	697	709	721	721	721	722	722	724	722	718	712	0	21 50	735	12 40	690	45
24				714	715	714	714	714	713	718	720	721	713	706	699	685	681	684	691	706	735	778	742	760	747	720	731	718	1	18 10	809	13 20	679	130
25				726	715	715	713	712	708	706	717	722	717	705	702	704	698	698	713	728	733	739	732	733	720	724	722	717	1	20 06	768	14 06	692	76
26			✓	714	709	708	713	705	714	724	724	723	721	703	693	687	683	697	719	747	747	734	744	751	744	723	725	719	1	18 27	815	13 51	681	134
27				708	697	709	709	715	723	727	731	732	728	717	700	694	685	689	713	717	729	739	730	729	724	725	724	716	1	18 05	758	14 02	683	75
28				721	715	702	716	714	710	721	720	711	713	707	691	683	689	703	712	731	742	734	734	733	738	738	716	716	1	17 19	753	13 00	679	74
29				713	703	707	713	717	718	720	721	720	719	710	703	695	687	692	708	726	733	727	763	754	746	727	729	719	1	19 30	797	13 47	684	113
30				722	727	716	706	719	726	726	725	725	725	717	710	703	690	698	710	719	732	737	741	746	747	739	726	722	1	21 44	775	13 27	686	89
31				714	714	712	718	720	720	721	724	727	727	729	729	711	694	700	705	719	728	741	759	754	736	734	730	724	1	19 14	779	13 40	692	87
MEANS ALL DAYS				714	713	710	711	711	713	716	721	721	716	706	696	688	684	690	703	715	724	727	730	729	727	724	721	713						76
MEANS TEN DAYS ✻				715	714	711	710	710	714	716	720	722	716	703	690	681	678	683	695	708	715	717	719	719	719	719	717	709						54
MEANS FIVE DAYS † (G. M. T.)				713	711	710	707	708	709	711	719 716	720 720	715	702	686	675	671	675	688	703	711	714	716	716	718	719	717	706						
MEANS FIVE DAYS ‡ (G. M. T.)				709	710	707	710	706	711	715	724	716	715	708	699	695	693	701	720	727	738	739	734	731	730	726	727	716						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 316

VERTICAL INTENSITY

50941 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1943 — NOVEMBER 1943

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				730	726	723	716	713	718	723	723	730	736	730	715	702	695	694	711	727	731	746	743	750	730	745	734	725	1	20 56	766	13 47	693	73
2	✓			729	721	714	720	721	724	727	731	738	742	738	731	718	706	706	712	722	728	728	727	729	730	731	731	725	0	9 24	744	14 25	705	39
3	✓			727	726	725	724	723	725	728	732	735	737	735	723	713	708	704	710	719	725	728	728	728	730	728	728	725	0	9 39	739	14 08	703	36
4	✓			729	728	725	725	724	726	728	728	724	717	706	696	690	690	700	708	716	722	724	724	724	726	729	730	718	0	23 00	734	13 30	688	46
5				727	725	724	723	724	724	725	724	723	718	708	701	695	694	694	703	714	724	726	723	725	730	749	732	719	1	22 37	771	14 09	690	81
6				723	721	722	720	725	719	720	720	716	714	714	713	709	705	704	715	722	726	727	727	725	733	739	743	721	1	23 20	752	14 11	697	55
7				729	731	730	721	716	720	717	718	721	727	727	722	720	717	714	722	739	727	724	724	725	725	724	725	724	0	0 55	758	1 23	651	107
8				728	726	725	727	712	724	728	732	735	734	725	719	713	707	716	721	735	735	727	728	728	728	729	728	725	1	16 56	748	13 30	704	44
9				729	724	723	725	725	724	725	723	727	730	724	721	720	717	720	726	727	729	731	728	729	731	728	727	726	0	9 02	737	13 53	713	24
10				726	723	726	724	729	733	736	730	727	718	713	704	702	702	703	713	724	730	731	733	735	733	731	729	723	0	6 42	740	13 50	700	40
11	✓	✓		726	725	726	716	724	734	733	729	727	729	725	715	707	701	705	718	724	727	730	731	731	731	730	729	724	0	5 40	737	13 49	699	38
12	✓			727	725	724	723	725	728	731	733	740	740	730	712	693	684	689	705	717	721	727	734	744	741	735	734	723	0	20 30	748	13 40	683	65
13	✓	✓		728	726	726	721	726	731	738	742	739	736	727	715	706	700	702	712	720	725	727	728	732	736	735	732	725	0	7 20	745	13 45	699	46
14	✓	✓		729	730	727	723	723	723	730	741	738	729	716	703	697	697	703	708	718	725	727	729	730	732	732	733	723	0	7 59	746	13 00	694	52
15	✓	✓		733	729	722	721	723	725	729	734	738	735	726	711	703	702	701	703	710	716	724	728	732	731	730	730	722	0	8 06	741	14 55	700	41
16				728	730	726	726	726	726	728	728	729	727	722	707	697	698	698	704	715	719	723	727	736	741	736	737	722	0	21 18	748	13 00	692	56
17	✓	✓		730	725	721	717	723	722	724	730	724	720	713	706	701	702	705	710	717	724	727	726	727	727	730	730	720	0	7 28	738	12 30	700	38
18				728	726	723	723	723	724	727	730	730	721	711	704	700	696	698	706	715	721	730	730	726	729	730	726	720	0	8 27	737	13 52	694	43
19			✓	733	729	730	728	726	728	731	733	730	726	715	703	698	694	705	715	756	757	758	778	760	746	739	724	731	2	19 55	822	13 53	686	136
20			✓	742	729	727	719	734	736	738	720	728	727	722	708	708	710	722	722	736	753	747	747	742	737	736	730	730	1	19 15	780	13 56	702	78
21				723	731	731	724	722	734	740	739	720	714	709	697	701	708	717	730	736	749	746	748	737	750	734	737	728	1	17 11	776	11 47	696	80
22				718	730	727	721	728	734	734	732	729	720	716	711	707	707	715	725	737	742	735	736	746	743	742	734	728	1	21 01	757	12 15	705	52
23				720	726	733	728	733	737	737	733	726	715	707	699	699	702	715	727	731	743	740	737	737	751	739	727	727	1	21 48	762	12 51	696	66
24				727	725	724	721	732	724	718	729	722	712	701	687	691	694	700	711	731	740	746	739	745	738	754	739	723	1	22 39	773	11 29	685	88
25			✓	731	714	706	722	736	733	735	732	724	721	712	700	697	700	704	718	736	748	757	763	748	751	731	743	728	1	19 35	797	2 10	689	108
26			✓	731	730	724	719	720	724	735	739	733	723	714	704	693	692	701	720	740	737	741	746	753	755	755	747	728	1	23 12	780	12 41	689	91
27			✓	723	725	721	728	728	724	733	732	711	712	708	714	711	711	723	732	746	758	756	763	759	749	742	740	731	1	19 57	778	0 45	693	85
28				736	733	729	728	729	734	734	730	725	726	722	711	705	710	721	726	738	737	752	744	743	742	740	741	731	1	18 36	762	12 10	703	59
29				738	738	724	732	735	740	740	738	738	736	728	719	711	709	716	723	734	741	745	746	750	756	743	740	734	1	21 35	762	13 35	704	58
30	✓			746	740	732	730	726	733	734	732	731	729	724	716	710	704	708	719	727	732	737	741	743	747	751	746	731	0	22 50	753	13 30	703	50
31																																		
MEANS ALL DAYS				729	727	725	723	725	728	730	731	729	726	719	710	704	702	707	716	728	733	736	737	737	738	737	734	725						62
MEANS TEN DAYS ✻				730	728	724	722	724	727	730	733	733	731	724	713	704	699	702	710	719	724	728	730	732	733	733	732	724						45
MEANS FIVE DAYS † (G. M. T.)				729	728	724	723	724	725	729	735 733	733 735	730	721	710	703	700	703	710	718	723	727	728	730	731	731	731	723						
MEANS FIVE DAYS ‡ (G. M. T.)				731	730	726	724	727	730	736	732	725	722	714	706	701	701	711	721	743	751	752	759	752	748	741	737	730						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
▢ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
X̄ = ND RECORD

TABLE 317

VERTICAL INTENSITY

50941 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1943

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				743	737	733	731	731	732	733	733	735	736	735	729	726	723	723	723	725	729	732	733	733	734	739	741	732	0	0 08	745	15 00	722	23
2				745	735	728	731	722	729	738	740	738	735	727	714	704	705	709	714	723	730	737	734	737	737	739	752	729	1	23 54	768	12 30	701	67
3			✓	744	737	728	704	724	731	727	727	735	737	732	728	712	711	719	717	723	729	735	738	746	755	761	746	731	1	22 45	770	3 38	691	79
4				729	735	735	719	732	733	732	730	735	735	731	725	722	716	714	713	719	727	734	740	741	745	742	749	731	1	21 08	766	3 06	705	61
5				738	733	726	723	726	729	726	726	730	734	733	731	727	721	715	715	722	729	736	737	741	741	745	737	730	0	22 39	750	15 00	713	37
6	✓	✓		728	732	732	729	728	730	732	734	736	735	732	728	720	716	718	724	728	730	734	734	733	733	733	733	730	0	9 17	738	13 48	714	24
7	✓			733	733	733	733	733	738	742	741	737	733	727	719	713	712	717	724	732	736	736	737	737	737	736	732	731	0	7 11	744	13 10	712	32
8	✓			731	731	731	733	735	740	742	738	730	726	718	707	703	701	704	713	726	735	737	737	737	737	738	739	728	0	6 46	744	13 20	701	43
9				733	738	736	734	733	737	736	734	730	729	723	715	701	690	693	704	717	730	734	737	742	744	744	744	727	0	23 43	747	13 50	689	58
10	✓			740	732	726	728	734	739	740	737	730	724	718	707	698	699	709	719	728	734	737	746	757	747	747	747	730	0	20 30	762	12 49	696	66
11	✓	✓		738	732	730	730	733	736	739	732	728	728	725	713	703	706	713	721	729	734	734	735	737	737	738	738	729	0	0 01	743	12 37	702	41
12	✓	✓		740	738	733	728	730	735	737	734	735	736	727	713	698	688	689	702	719	731	737	738	738	740	740	738	727	0	21 53	742	13 54	685	57
13	✓	✓		736	731	730	731	732	733	736	742	745	745	739	727	707	695	695	711	724	731	731	733	734	735	735	736	729	0	9 21	748	14 19	690	58
14				733	732	730	723	723	728	729	733	740	739	733	725	714	704	698	699	701	717	726	732	740	747	763	768	728	0	23 20	780	14 53	696	84
15	✓			746	734	730	731	731	736	736	738	742	740	734	727	720	713	711	722	734	735	733	734	736	737	740	739	732	0	0 04	753	14 05	709	44
16			✓	736	737	736	736	731	720	733	740	742	739	738	725	710	702	703	705	715	727	769	754	779	787	761	775	738	1	23 07	797	15 16	696	101
17			✓	755	749	731	737	735	740	735	733	731	730	727	719	720	713	704	711	720	730	751	751	755	760	749	738	734	1	18 38	765	14 24	700	65
18				730	744	740	731	731	731	732	731	731	734	728	718	706	704	708	715	727	736	737	743	744	750	747	749	731	1	22 05	762	13 26	702	60
19			✓	750	742	731	720	727	733	734	735	737	736	730	721	712	706	705	713	726	739	749	742	759	747	745	745	733	1	20 31	789	14 00	703	86
20			✓	748	756	739	735	726	714	719	719	726	728	729	733	729	719	710	719	726	729	747	741	743	738	749	749	732	1	18 36	763	5 53	707	56
21				740	736	742	727	727	728	732	720	729	732	733	728	727	727	724	718	723	726	730	738	748	739	739	736	731	1	20 11	759	7 48	708	51
22				736	739	736	724	733	732	721	718	730	731	726	717	720	720	720	721	726	742	738	745	739	742	737	742	731	0	19 56	752	7 42	711	41
23				737	741	737	732	738	740	738	728	728	729	725	721	714	715	719	725	738	747	745	743	744	742	740	737	733	0	17 10	755	12 42	712	43
24				736	735	736	734	737	740	741	737	731	722	712	707	706	712	721	728	738	741	741	740	741	743	741	739	732	0	21 52	746	12 10	705	41
25				738	737	737	734	738	744	746	745	742	733	723	711	702	708	717	727	729	736	748	745	737	738	736	736	733	0	19 02	752	12 22	699	53
26				738	737	737	736	732	734	740	749	750	741	724	702	693	703	719	734	740	744	749	755	760	767	757	742	737	0	21 45	773	12 20	691	82
27				727	740	737	741	743	746	751	750	746	735	719	707	697	698	702	714	727	736	739	742	742	739	738	736	731	0	6 57	753	13 01	694	59
28	✓	✓		736	735	732	734	736	739	742	742	745	743	731	717	705	708	713	725	736	739	739	738	741	743	743	740	733	0	9 17	749	12 50	702	47
29				739	736	734	734	737	740	747	749	746	738	720	703	693	697	706	718	728	743	746	739	739	742	742	739	731	0	7 55	751	12 39	692	59
30	✓			744	738	732	728	729	734	734	737	743	744	738	722	704	697	700	713	729	736	738	736	738	742	750	745	731	0	22 10	752	13 10	697	55
31				739	737	732	730	732	733	737	741	745	743	736	725	713	703	701	706	718	734	746	750	752	755	752	759	734	0	23 40	766	14 20	698	68
MEANS ALL DAYS				738	737	733	730	732	734	736	735	736	735	728	719	710	707	710	717	726	734	740	740	744	745	744	743	731						56
MEANS TEN DAYS *				737	734	731	730	732	736	738	738	737	735	729	718	707	704	707	717	728	734	736	737	739	739	740	739	730						47
MEANS FIVE DAYS (G. M. T.) †				736	734	732	730	731	735	738	737 740	738 741	737	731	720	707	703	706	717	727	733	735	736	737	738	738	737	730						
MEANS FIVE DAYS (G. M. T.) ‡				740	744	737	730	730	729	730	727	734	734	731	725	717	710	708	713	722	731	750	745	756	757	753	751	734						

DECEMBER 1943

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

= APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 318

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1944

JANUARY 1944

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM			MINIMUM			RANGE
																														H	M		H	M		
1				654	663	682	672	659	665	663	644	673	683	671	649	623	598	587	582	586	597	613	621	622	633	693	674	642	1	22	34	714	15	57	574	140
2				674	654	643	642	614	648	663	667	672	678	676	667	649	634	627	619	612	613	617	622	623	623	630	651	642	0	10	52	683	4	24	592	91
3	✓	✓		640	633	633	632	628	642	653	662	665	663	654	642	623	606	598	600	607	614	615	623	625	639	638	631	632	0	8	43	670	15	00	594	76
4	✓	✓		628	630	631	633	640	645	656	663	673	674	671	662	644	631	613	608	613	617	618	615	614	620	628	635	636	0	9	27	676	15	01	602	74
5				633	633	635	636	634	632	635	637	639	634	632	632	622	614	609	604	611	616	612	611	613	621	623	651	626	0	23	59	672	15	32	601	71
6	✓	✓		662	642	632	637	641	644	653	664	669	664	653	644	644	641	632	623	622	613	612	613	622	628	633	631	638	0	8	15	672	18	47	600	72
7	✓	✓		634	632	633	633	634	639	646	653	653	653	647	635	627	620	620	622	615	611	605	612	617	621	623	623	630	0	8	05	655	18	44	601	54
8	✓			627	631	631	631	633	644	655	662	669	673	666	650	631	622	613	604	609	613	613	612	613	623	624	632	633	0	9	40	676	15	59	602	74
9				634	632	633	632	633	643	653	655	651	641	653	672	666	657	652	636	628	622	613	612	615	620	623	632	638	0	11	59	674	18	51	602	72
10				642	644	636	635	641	646	649	643	660	667	658	634	623	613	603	601	598	597	601	604	612	618	621	624	628	0	9	26	672	17	50	593	79
11			✓	632	643	642	647	646	657	653	653	678	689	668	614	582	574	573	576	594	604	633	618	619	623	634	654	629	1	9	27	696	15	01	562	134
12				674	643	658	658	639	640	643	644	649	653	653	640	622	612	602	588	595	603	603	633	623	628	623	653	632	1	0	31	686	14	58	582	104
13			✓	654	641	640	640	642	647	655	663	662	653	653	643	633	621	612	592	593	602	595	614	614	635	632	634	632	1	8	10	676	15	34	582	94
14			✓	652	663	659	639	661	651	652	648	662	656	644	632	613	595	583	576	582	591	604	612	633	643	653	630	631	1	2	08	675	16	02	573	102
15			✓	643	646	647	649	644	642	652	654	662	667	661	651	643	633	618	608	612	613	613	614	622	623	634	652	638	1	9	00	673	15	51	602	71
16			✓	657	644	644	625	652	643	606	618	637	639	643	643	633	608	591	584	582	591	609	609	621	624	622	650	624	1	4	55	666	15	59	573	93
17				635	642	643	636	638	643	637	643	646	657	663	656	643	624	613	602	603	598	613	624	634	627	638	646	634	1	10	24	666	17	38	592	74
18				636	624	642	633	634	642	647	645	642	641	633	628	621	606	598	593	588	589	592	595	619	621	624	613	621	0	6	38	654	16	33	582	72
19				634	644	636	623	628	646	652	654	663	672	665	653	633	624	621	609	613	611	610	612	618	622	623	632	633	0	9	28	660	15	54	602	78
20				633	643	634	632	636	642	634	633	633	643	649	648	643	623	598	590	589	593	604	617	614	623	628	624	625	0	10	27	653	16	02	583	70
21	✓			633	636	626	633	633	616	618	648	658	658	658	649	637	630	614	604	603	608	613	616	621	623	633	633	629	0	8	52	668	16	08	599	69
22	✓			629	628	632	633	642	641	646	654	653	652	649	637	624	605	584	582	601	612	613	616	616	623	624	628	626	0	8	03	663	15	19	573	90
23				631	632	633	633	638	641	646	652	653	655	649	642	629	612	593	588	593	602	612	614	615	622	623	624	626	0	9	05	658	15	25	583	75
24				626	628	633	634	643	650	656	662	656	648	633	622	609	603	596	590	591	603	608	614	615	619	625	633	625	0	8	00	665	15	55	580	85
25	✓			649	640	633	633	638	643	659	672	668	653	633	621	609	602	599	598	603	607	613	614	615	632	642	642	630	0	8	01	675	15	40	593	82
26				636	633	642	636	643	641	653	669	676	672	652	621	599	582	579	585	601	610	607	606	605	602	608	613	624	0	8	30	681	14	10	574	107
27				631	632	642	643	653	649	638	655	667	662	647	639	631	613	603	599	602	616	611	608	632	623	623	623	631	0	8	34	675	15	10	593	82
28				625	633	632	633	644	644	648	652	662	659	643	617	600	594	588	593	604	612	613	612	613	622	633	627	625	0	8	30	664	15	06	583	81
29	✓			628	626	625	626	621	633	645	657	663	662	644	633	612	595	584	588	598	608	613	620	627	622	634	643	625	0	8	06	673	14	53	580	93
30	✓	✓		633	633	632	633	632	638	647	655	662	661	651	635	624	620	610	603	603	603	612	614	620	625	631	629	629	0	8	58	665	17	15	601	64
31				633	631	626	626	628	625	637	653	658	653	643	627	609	593	583	583	592	601	606	612	613	609	623	633	621	0	8	34	663	15	09	581	82
MEANS ALL DAYS				640	638	638	636	638	643	647	653	659	659	652	640	626	613	603	598	601	606	610	614	619	624	631	635	630								84
MEANS TEN DAYS ✲				636	633	631	632	634	638	648	659	663	661	653	641	628	617	607	603	607	611	613	616	619	626	631	633	631								75
MEANS FIVE DAYS (G. M. T.) †				631	631	631	632	634	637	646	659 654	664 658	663	655	644	632	624	615	611	612	612	612	615	620	627	631	630	632								
MEANS FIVE DAYS (G. M. T.) ‡				652	648	650	642	647	644	638	641	660	661	654	637	621	606	595	587	593	600	611	613	622	630	635	644	630								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

[ ] = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

△ = NO RECORD

TABLE 319

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			651	641	633	627	648	643	641	655	663	662	642	626	621	610	602	598	601	604	611	613	616	621	622	623	628	0	8 12	672	15 52	594	78
2				628	631	631	621	624	631	641	644	643	642	642	633	624	614	593	585	592	603	612	617	613	621	622	629	622	0	7 56	651	16 00	581	70
3		✓	✓	632	631	629	627	626	626	636	648	650	651	642	632	627	622	611	605	604	606	611	613	612	613	618	622	625	0	7 50	653	16 20	601	52
4				622	623	623	625	624	632	641	650	652	653	652	634	622	612	602	599	602	602	601	599	602	611	622	623	622	0	9 48	661	18 53	591	70
5				632	634	633	641	640	642	652	661	654	652	640	630	622	612	611	604	603	602	602	611	612	612	613	619	626	0	7 15	664	18 27	596	68
6	✓			622	627	631	640	643	644	652	653	651	644	632	621	615	612	611	611	612	611	611	611	613	616	621	627	626	0	7 33	660	18 45	602	58
7			✓	629	631	627	631	632	634	643	653	652	647	632	617	612	602	592	580	564	555	590	597	652	671	682	670	625	2	20 56	735	17 40	536	199
8			✓	636	611	635	656	638	632	668	679	663	642	631	620	613	607	592	595	602	609	606	612	621	633	643	644	629	1	7 45	693	13 54	576	117
9			✓	652	631	623	617	601	614	651	670	672	662	644	630	612	591	571	570	586	613	622	623	630	651	660	638	626	1	21 21	682	14 31	560	122
10				644	654	642	621	630	641	651	662	666	664	643	620	606	591	586	590	597	612	642	615	632	640	629	623	629	1	9 35	673	13 52	577	96
11				632	631	611	610	631	634	651	669	674	667	641	612	601	591	582	570	591	612	622	622	622	632	628	641	624	1	8 10	683	15 31	557	126
12				632	636	627	628	632	633	647	661	673	663	640	610	594	582	572	583	602	611	607	612	622	642	642	630	624	0	8 52	681	14 23	568	113
13				622	621	621	612	617	632	645	661	672	681	662	615	583	567	561	572	594	613	622	620	624	633	625	632	621	0	9 00	683	14 30	553	130
14			✓	627	632	625	622	613	623	631	621	681	687	664	632	564	543	531	540	563	612	617	633	651	652	640	636	618	1	8 58	704	14 43	516	188
15			✓	623	620	622	617	612	629	646	660	655	663	663	651	627	613	596	588	585	601	612	624	633	635	628	626	626	1	10 21	674	16 10	582	92
16				632	632	628	633	619	631	632	633	657	653	650	639	618	603	590	591	591	599	618	610	612	616	625	624	622	0	8 57	667	14 32	584	83
17				627	624	628	630	630	630	641	658	656	651	642	637	626	612	600	593	592	601	609	610	610	622	626	620	624	0	7 53	664	16 05	591	73
18	✓	✓		624	626	625	630	626	621	634	649	654	661	660	652	643	628	611	601	600	608	618	618	619	615	619	620	628	0	9 57	665	16 10	599	66
19	✓			619	620	621	622	626	629	638	645	652	651	645	638	629	622	610	600	589	589	599	601	612	612	615	618	621	0	8 06	658	16 47	584	74
20				622	621	621	622	624	629	633	648	661	669	655	628	599	589	580	579	581	579	588	592	611	681	661	632	621	1	21 10	703	17 58	576	127
21				629	634	628	624	630	634	641	641	647	657	644	622	598	580	585	602	612	617	614	610	612	619	625	633	622	0	8 56	652	14 00	578	84
22				623	621	619	620	615	618	632	652	671	675	661	629	606	594	595	600	603	611	614	617	614	618	625	625	623	0	9 41	679	13 52	592	87
23	✓			623	624	624	625	625	627	636	652	663	672	671	660	633	607	599	601	601	603	611	612	622	621	622	623	627	0	9 18	677	14 31	592	85
24	✓	✓		630	630	626	623	623	625	625	640	660	671	670	661	635	614	599	591	594	603	611	612	613	617	619	621	626	0	9 47	673	15 36	586	87
25	✓	✓		622	622	623	621	618	622	622	643	662	668	662	636	612	589	575	581	594	605	611	612	612	612	614	619	619	0	9 43	672	14 40	572	100
26	✓			622	623	622	622	622	623	628	642	664	679	672	654	622	585	569	560	593	605	610	611	612	613	613	617	621	0	9 26	681	14 29	563	118
27	✓	✓		621	622	622	622	623	626	640	657	681	692	687	663	628	592	581	581	592	603	610	612	616	621	620	624	626	0	9 22	694	14 42	573	121
28				623	622	622	623	624	627	633	650	662	672	674	655	630	603	582	572	576	589	603	611	614	615	621	623	622	0	10 05	682	15 52	570	112
29				622	622	622	613	622	622	631	642	656	663	667	654	623	595	574	575	580	594	602	606	613	620	640	632	620	0	10 03	670	14 35	567	103
30																																		
31																																		
MEANS ALL DAYS				628	627	626	625	625	629	640	652	661	663	653	635	615	599	588	587	593	602	611	612	619	627	629	628	624						100
MEANS TEN DAYS ✲				627	627	626	626	628	629	635	648	660	665	658	644	626	608	597	595	598	604	610	612	615	616	618	621	625						84
MEANS FIVE DAYS † (G. M. T.)				622	622	622	623	623	627	632	647 646	661 658	669	664	649	629	609	595	592	597	605	612	613	614	616	618	621	624						
MEANS FIVE DAYS ‡ (G. M. T.)				637	630	630	629	620	629	650	661	665	660	647	630	606	591	576	575	580	598	609	618	637	648	651	643	626						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 320

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1944 — MARCH 1944

DAY	✻	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		624	630	621	622	619	618	630	647	660	668	663	640	600	580	582	591	591	601	606	611	611	612	613	617	619	0	9	18	672	13	46	573	99
2	✓			621	624	624	627	628	632	641	646	651	654	656	634	599	581	586	590	594	601	610	612	615	635	625	623	621	0	9	27	662	13	23	578	84
3	✓	✓		619	622	623	621	610	624	632	644	657	662	660	651	632	618	607	602	602	602	606	611	611	612	615	619	623	0	9	47	672	17	59	600	72
4				619	621	622	623	622	622	632	649	662	670	660	631	610	598	583	577	594	611	582	601	629	610	613	623	619	1	9	30	672	15	29	567	105
5				609	624	630	621	623	630	631	640	646	643	630	620	606	595	591	590	594	602	606	611	611	615	636	642	619	0	22	42	654	15	55	589	65
6				641	640	636	631	639	641	654	662	667	660	639	612	600	587	590	598	601	608	606	627	631	622	641	631	628	1	7	51	689	14	45	581	108
7			✓	633	627	611	606	611	632	640	652	661	660	641	617	599	588	590	583	591	587	611	611	638	630	646	633	621	1	22	18	676	15	38	571	105
8				634	631	615	623	626	631	640	648	660	662	656	639	617	601	591	583	590	596	612	613	651	630	619	620	624	0	9	36	673	15	30	579	94
9				629	636	635	610	622	626	635	650	660	647	622	611	591	590	585	587	590	600	602	641	628	620	641	612	620	1	22	09	675	14	16	581	94
10			✓	620	631	613	604	620	621	632	643	656	655	641	611	585	573	581	586	591	605	611	643	645	626	648	613	619	1	9	02	671	15	22	571	100
11				624	597	593	616	628	619	611	634	655	660	650	626	602	589	586	580	582	603	615	601	611	613	621	622	614	0	9	50	662	15	52	572	90
12				621	622	621	616	624	626	633	651	662	669	654	630	600	581	572	580	588	596	604	612	618	625	640	673	622	1	23	15	699	14	10	562	137
13				630	631	630	621	613	626	627	641	651	651	638	621	602	589	591	586	595	607	611	612	630	640	622	630	621	0	9	09	659	15	40	580	79
14				618	624	626	625	617	621	633	648	666	660	644	622	604	593	592	592	599	612	618	622	622	629	623	621	622	0	8	50	682	14	10	583	99
15	✓	✓		621	622	618	610	621	623	631	642	653	661	651	636	613	599	590	591	600	607	612	614	618	619	620	621	621	0	9	38	663	14	30	583	80
16	✓			621	621	621	620	615	616	620	637	653	656	653	629	602	587	591	591	599	607	607	616	614	618	621	626	618	0	10	10	664	13	29	580	84
17	✓	✓		629	630	624	623	622	622	628	638	651	661	641	622	602	592	591	594	600	605	610	611	612	615	619	621	619	0	9	20	664	14	20	587	77
18				620	620	621	621	621	624	632	641	650	650	634	618	601	590	584	594	601	609	610	610	611	612	616	619	617	1	8	40	652	15	00	581	71
19			✓	621	629	646	657	651	671	630	623	641	636	623	599	601	600	598	601	604	611	619	635	622	626	651	623	626	1	5	48	682	11	02	577	105
20	✓			623	621	621	614	596	609	622	619	638	643	627	612	601	600	598	595	602	604	611	631	622	621	620	621	615	0	8	48	651	4	21	581	70
21	✓			621	616	604	613	621	623	638	651	660	655	641	622	602	589	585	589	596	603	611	612	614	615	617	621	617	0	8	30	662	14	53	581	81
22				629	625	621	622	629	631	630	643	665	669	626	601	590	585	584	596	606	614	632	634	618	620	617	619	621	0	9	55	672	14	24	581	91
23	✓			619	637	622	623	624	629	635	643	652	651	639	621	602	586	589	590	600	606	611	619	612	617	620	626	620	0	8	54	654	13	30	580	74
24	✓	✓		629	627	618	625	630	621	622	642	652	657	641	620	602	591	591	594	600	609	610	609	610	612	618	622	619	0	9	23	662	13	59	585	77
25				622	620	620	620	622	624	632	641	650	651	642	623	601	582	577	583	590	591	593	608	613	613	616	621	615	0	9	00	653	14	20	571	82
26			✓	622	628	622	629	629	630	628	636	651	660	660	635	610	588	569	573	594	590	594	655	650	616	619	631	622	1	19	54	739	15	23	559	180
27			✓	615	612	610	612	614	619	632	652	640	651	651	641	613	584	590	567	595	636	651	621	631	622	620	606	620	2	8	00	749	13	45	546	203
28				620	612	602	622	601	611	622	629	640	651	653	636	611	593	588	592	602	610	611	627	626	621	622	634	618	0	10	04	659	14	39	582	77
29				633	633	630	624	611	569	596	584	607	606	619	624	608	581	581	587	603	609	641	619	621	623	641	641	612	1	18	41	655	5	48	542	113
30				632	638	620	601	602	618	620	622	624	623	630	622	621	585	582	590	595	609	612	616	621	636	629	631	616	0	21	22	661	14	18	570	91
31				615	601	606	613	622	625	613	584	608	625	626	622	608	596	594	594	610	611	618	620	622	615	621	619	612	0	9	50	630	7	31	571	59
MEANS ALL DAYS				624	624	620	620	620	624	629	638	650	652	642	624	604	590	587	589	597	605	611	619	622	621	625	625	619								95
MEANS TEN DAYS ✻				623	625	620	620	619	622	630	641	653	657	647	629	606	592	591	593	598	604	609	615	614	618	619	622	619								80
MEANS FIVE DAYS † (G. M. T.)				621	621	622	622	622	624	631	643 643	655 653	662	651	634	610	596	592	594	599	605	609	611	612	614	617	620	620							
MEANS FIVE DAYS ‡ (G. M. T.)				623	615	608	617	613	618	625	636	650	652	643	621	602	587	586	582	595	606	617	633	637	624	637	621	619								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 321

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1944 — APRIL 1944

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				619	619	620	620	613	612	618	627	642	649	649	637	620	608	601	602	606	611	612	615	616	620	620	621	620	0	10 27	652	14 35	599	53
2			✓	619	619	614	598	613	628	625	613	613	602	589	570	573	569	532	510	499	601	672	702	670	660	644	631	607	2	19 50	748	16 30	469	279
3				630	638	630	606	620	633	642	646	645	646	639	630	621	612	606	604	611	609	611	615	618	621	628	622	624	1	8 17	662	15 33	592	70
4			✓	625	621	629	630	629	630	632	631	643	648	635	614	597	582	581	599	601	611	661	657	630	628	621	631	624	1	18 49	736	14 32	569	167
5			✓	635	614	611	612	617	628	630	640	650	651	642	625	611	598	599	600	607	622	620	648	621	621	619	620	623	1	19 14	680	13 16	590	90
6			✓	629	630	589	610	627	622	610	627	643	646	635	616	599	591	581	580	601	632	642	620	626	640	631	630	619	1	17 31	695	2 27	561	134
7				628	607	593	593	604	619	631	644	661	672	651	630	611	599	596	600	610	611	611	613	620	621	621	621	619	0	9 32	680	3 02	578	102
8				620	618	622	607	621	590	603	635	649	647	636	620	602	592	592	600	611	610	611	610	656	638	620	621	618	0	20 37	699	5 28	578	121
9				626	621	621	613	611	619	622	638	642	640	631	612	596	592	597	606	611	612	613	614	617	618	618	619	617	0	8 36	647	14 03	589	58
10				621	621	623	627	630	639	610	637	646	644	634	613	594	583	580	572	602	598	611	631	620	639	627	622	618	1	21 44	660	15 43	559	101
11				618	620	620	619	621	621	626	635	643	644	641	621	604	593	592	600	601	601	612	616	616	620	622	621	618	0	9 28	650	14 30	588	62
12				630	628	630	622	622	604	610	620	634	634	640	633	612	595	597	599	601	603	612	620	619	618	621	620	618	0	10 11	643	13 47	589	54
13	✓	✓		619	620	613	614	619	619	620	629	640	649	644	634	613	597	590	593	600	608	613	616	619	619	619	619	618	0	9 42	651	14 40	589	62
14	✓	✓		619	618	619	619	619	619	620	624	638	640	638	629	610	597	591	595	600	603	610	612	613	617	618	618	616	0	9 15	643	14 12	590	53
15				619	618	618	619	620	620	623	631	641	644	637	619	599	589	588	589	597	603	609	610	615	614	615	615	615	0	9 09	650	15 00	584	66
16			✓	619	620	620	619	627	626	619	624	640	651	650	620	609	595	584	571	572	591	589	609	619	630	631	667	617	1	23 23	690	15 51	561	129
17	✓			651	611	637	629	627	622	627	623	632	640	630	624	610	604	599	598	600	610	616	616	620	619	631	629	621	0	0 05	677	1 13	589	88
18	✓			609	612	613	610	611	616	609	609	620	625	620	619	612	603	599	599	601	607	610	613	618	618	621	621	612	0	9 11	630	15 10	594	36
19	✓	✓		620	615	619	618	615	616	615	620	633	641	640	633	620	608	600	600	601	608	611	612	613	615	618	629	618	0	9 49	649	15 41	599	50
20	✓			620	618	614	613	613	615	619	629	635	634	632	627	616	615	612	610	608	610	609	610	612	615	615	615	617	0	8 51	638	18 50	602	36
21	✓			617	618	616	612	618	620	622	627	630	623	612	609	609	604	600	600	601	603	604	604	609	610	611	613	612	0	8 20	632	15 49	597	35
22	✓	✓		613	615	616	618	618	619	620	626	635	639	630	618	608	603	600	601	600	604	607	611	613	615	617	614	615	0	8 59	640	14 48	596	44
23	✓	✓		613	617	614	615	617	618	621	629	638	638	630	618	601	592	591	598	602	608	610	611	612	613	617	616	614	0	9 00	640	14 43	589	51
24				615	616	617	613	618	618	619	622	633	648	643	630	608	590	574	580	586	600	610	618	619	620	619	618	614	0	9 18	659	15 07	568	91
25	✓			617	623	619	615	614	618	619	616	619	631	640	625	610	600	592	592	599	607	611	613	612	613	616	616	614	0	10 09	649	15 25	583	66
26				616	616	601	619	612	619	613	610	620	630	637	629	617	603	597	597	601	610	612	612	616	616	614	613	614	0	10 02	639	2 32	584	55
27				614	602	624	619	619	614	607	611	622	631	628	619	610	605	594	599	599	608	610	617	620	619	619	620	614	0	9 13	637	1 24	587	50
28				638	623	628	618	610	619	620	620	628	629	620	614	610	600	595	590	598	600	608	611	618	625	620	626	615	0	0 23	642	16 04	581	61
29				634	622	608	590	621	621	621	628	631	633	633	621	604	591	583	582	598	604	609	610	611	622	636	622	614	0	22 47	647	3 04	559	88
30				619	618	611	612	616	617	616	618	626	631	633	630	619	600	600	580	610	609	605	610	619	624	624	615	615	1	16 52	652	15 42	560	92
31																																		
MEANS ALL DAYS				622	619	617	614	618	619	620	626	636	639	634	621	608	597	591	592	598	607	615	619	620	622	622	622	617						81
MEANS TEN DAYS ✻				620	617	618	616	617	618	619	623	632	636	632	624	611	602	597	599	601	607	610	612	614	615	618	619	616						52
MEANS FIVE DAYS † (G. M. T.)				617	617	616	616	617	618	620	626 627	637 637	641	636	626	610	599	594	597	601	606	610	612	614	616	618	619	616						
MEANS FIVE DAYS ‡ (G. M. T.)				635	620	612	610	619	625	628	636	638	640	630	609	598	587	575	572	576	611	637	647	633	636	629	636	618						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE, MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 322

DECLINATION

MAY 1944

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MAY 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	611	610	608	611	613	615	618	613	612	634	637	627	609	599	587	589	611	627	641	653	646	660	669	669	624	1	22	25 739	14	55 581	158
2			✓	650	607	619	606	620	626	629	627	630	629	623	618	602	601	588	589	599	606	629	666	634	641	620	624	620	1	19	15 690	14	29 580	110
3				601	608	613	603	607	610	618	622	635	639	637	623	610	603	601	591	599	605	618	618	626	641	619	612	615	0	21	12 664	15	44 586	78
4			✓	613	610	609	610	610	609	614	617	629	634	626	617	609	607	602	598	599	607	607	615	611	617	633	621	614	1	22	15 649	15	48 592	57
5				621	629	629	623	587	618	619	620	623	609	619	614	609	603	598	598	598	604	614	625	614	626	629	620	615	0	2	07 657	4	51 549	108
6			✓	618	629	627	620	608	613	614	618	618	617	629	626	609	607	596	593	602	603	609	649	617	620	628	618	616	1	19	17 674	15	16 586	88
7				625	619	598	609	614	614	612	613	619	624	620	611	617	601	578	582	590	608	608	617	618	619	626	619	611	0	22	27 630	14	40 569	61
8				619	618	618	609	599	598	614	619	622	629	628	622	618	609	601	598	609	609	609	610	618	618	617	616	614	0	0	10 639	5	02 569	70
9				616	610	610	609	609	609	613	619	629	638	629	618	604	596	595	597	599	604	609	611	617	616	617	616	612	0	9	56 639	14	14 589	50
10	✓			612	613	613	596	609	614	614	619	633	640	641	629	612	599	598	598	600	608	611	612	615	616	617	613	614	0	9	20 649	3	44 587	62
11				611	610	609	609	609	609	608	609	619	635	639	635	627	618	605	597	599	608	611	611	614	618	617	618	614	0	10	31 641	15	40 589	52
12				616	614	609	609	609	609	606	608	617	629	639	636	622	609	591	585	593	605	610	612	617	618	617	617	612	0	10	45 641	15	18 581	60
13	✓	✓		612	609	603	599	608	610	608	614	629	639	642	639	624	609	599	597	599	609	612	615	617	617	619	613	614	0	10	33 645	3	01 588	57
14	✓			610	610	609	609	610	609	612	619	628	636	636	625	609	598	589	590	602	610	614	616	619	618	618	617	613	0	10	06 639	14	50 586	53
15				613	612	610	609	609	609	614	619	624	634	638	629	605	588	580	582	598	610	618	619	620	619	618	617	612	0	9	58 643	14	11 578	65
16	✓	✓		612	609	610	609	613	616	617	619	629	638	639	630	618	607	600	599	604	609	614	617	618	618	618	615	616	0	10	12 641	15	47 598	43
17	✓			612	609	605	606	609	610	611	617	628	632	629	619	609	607	598	594	600	609	613	617	618	619	621	618	613	0	9	44 638	15	20 592	46
18	✓	✓		617	612	611	609	611	612	609	609	618	619	622	620	617	609	607	600	599	607	610	613	618	618	619	618	613	0	10	17 626	16	15 598	28
19	✓			614	611	610	610	609	609	609	607	614	622	629	630	625	612	597	594	599	608	610	613	617	618	619	618	613	0	10	55 632	15	20 589	43
20	✓	✓		619	616	611	610	612	611	610	611	620	630	635	632	622	611	603	598	599	606	610	612	616	617	616	614	614	0	10	47 637	16	00 594	43
21	✓	✓		613	611	610	610	611	612	611	610	616	623	629	629	622	610	599	591	597	603	609	611	614	617	617	618	612	0	10	40 631	15	40 589	42
22	✓			611	610	609	609	609	609	608	604	610	619	624	627	624	618	602	591	597	608	610	611	615	617	617	615	611	0	11	50 628	15	40 589	39
23				610	609	609	608	604	606	607	609	617	624	628	628	619	603	592	589	598	608	618	620	620	619	620	622	612	0	10	09 630	15	04 588	42
24				621	617	610	607	607	610	609	615	610	608	620	618	609	602	598	594	588	592	606	614	618	619	618	619	610	0	0	08 629	16	25 578	51
25				622	618	618	617	599	609	610	608	619	629	633	628	618	609	598	599	601	609	612	617	618	627	633	619	615	0	22	07 651	4	33 589	62
26				614	612	609	609	610	617	617	619	626	620	620	620	609	60[illegible]	589	582	589	601	609	615	616	619	618	617	611	0	8	45 630	15	40 578	52
27				612	611	610	611	610	614	614	612	619	623	624	627	619	609	599	589	592	601	610	615	619	619	618	619	612	0	11	34 629	15	34 584	45
28				619	618	610	610	610	611	611	609	612	619	620	618	609	604	599	599	602	609	612	615	618	619	620	617	612	0	23	02 627	14	26 590	37
29			✓	614	617	610	610	611	611	611	618	589	618	627	619	608	599	591	587	582	599	618	618	622	630	629	620	611	0	22	03 639	8	40 568	71
30				609	617	616	610	604	594	584	590	590	605	613	611	619	617	606	592	600	609	610	629	629	620	629	620	609	0	19	48 656	8	26 578	78
31				619	617	615	611	612	611	609	609	609	618	622	624	623	619	616	598	591	600	608	612	619	619	618	618	613	0	11	52 628	16	03 589	39
MEANS ALL DAYS				616	614	612	609	608	611	612	614	619	626	629	624	615	606	597	593	598	606	613	619	619	622	622	619	613						61
MEANS TEN DAYS ✲				613	611	609	607	610	611	611	613	622	630	633	628	618	608	599	595	600	608	611	614	617	618	618	616	613						46
MEANS FIVE DAYS † (G. M. T.)				612	610	609	609	610	610	610	613 611	622 619	630	633	630	621	609	602	597	600	607	611	614	617	617	618	616	613						
MEANS FIVE DAYS ‡ (G. M. T.)				621	616	615	610	606	612	612	614	616	626	628	621	607	603	593	591	599	608	621	640	626	634	636	630	616						

CHARACTER

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 323

DECLINATION

JUNE 1944

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			628	637	617	617	617	617	612	606	617	621	627	623	618	608	607	602	601	608	615	616	617	618	618	618	616	0	0 52	648	7 02	597	51
2	✓			611	615	608	615	616	613	610	606	606	610	616	617	610	608	608	606	606	609	611	613	618	618	618	618	612	0	20 30	620	2 28	598	22
3	✓	✓		617	611	612	608	607	609	609	608	608	613	618	621	619	609	600	598	599	608	610	613	615	617	617	617	611	0	11 17	623	15 33	591	32
4				617	615	611	609	609	610	610	608	617	620	624	618	616	608	603	599	606	609	610	612	616	617	617	617	612	0	9 58	628	15 25	597	31
5				616	611	616	613	611	618	613	599	603	610	617	618	617	614	608	598	593	598	599	607	609	613	619	623	610	0	23 12	626	16 51	589	37
6	✓			621	622	619	617	617	616	610	607	608	618	627	627	625	619	623	613	602	608	611	612	617	617	617	617	616	0	11 05	630	16 10	598	32
7	✓	✓		618	618	616	617	611	610	609	607	607	609	611	611	608	606	601	598	599	601	608	611	611	618	618	617	610	0	2 58	620	16 11	596	24
8	✓	✓		616	611	610	608	608	608	609	608	611	619	627	627	621	616	601	589	598	608	609	614	617	617	618	618	612	0	10 59	630	15 32	587	43
9				617	610	612	608	608	608	608	606	607	617	619	619	617	608	598	591	598	608	610	617	617	618	618	619	611	0	23 35	627	15 45	588	39
10	✓	✓		617	609	607	606	608	608	603	600	608	619	629	629	624	611	603	597	599	608	613	613	617	618	617	616	612	0	10 40	632	15 35	594	38
11				611	608	607	603	604	605	607	607	614	626	629	627	618	611	600	596	598	608	613	616	618	617	616	617	612	0	10 17	634	15 45	590	44
12	✓	✓		628	617	616	616	610	615	614	608	611	619	628	626	617	609	603	598	606	609	613	616	617	617	618	617	614	0	0 33	638	15 23	596	42
13				609	608	608	608	608	608	609	608	609	618	621	619	613	607	597	596	600	608	610	610	619	616	615	610	610	0	20 29	631	15 32	590	41
14				609	610	608	609	610	610	610	610	616	618	619	619	612	607	596	590	598	600	603	608	608	617	618	620	609	0	23 10	624	15 17	588	36
15			✓	620	618	617	615	611	615	616	608	590	611	609	599	600	598	597	597	606	608	612	618	637	629	632	636	612	1	20 39	648	8 22	585	63
16				629	591	615	606	608	597	586	581	597	607	619	619	619	617	608	598	601	602	616	635	623	619	623	618	610	0	19 58	652	6 59	568	84
17				616	609	608	605	605	604	604	598	607	616	625	623	618	606	598	598	600	608	611	616	617	618	621	626	611	0	22 58	629	15 08	594	35
18				618	610	608	599	600	606	599	596	607	618	629	624	619	617	606	597	603	607	607	608	618	618	618	617	610	0	10 12	637	7 23	588	49
19				612	608	607	607	606	603	602	600	609	620	628	628	626	617	599	595	599	606	610	615	616	618	617	617	611	0	11 27	636	15 03	590	46
20				612	609	606	604	600	598	599	598	603	607	616	619	618	614	605	597	596	608	609	617	619	619	619	618	609	0	22 51	627	16 03	587	40
21			✓	610	609	608	600	598	603	600	597	599	618	618	620	624	616	598	580	589	607	610	616	619	625	621	618	608	0	12 14	636	15 43	571	65
22			✓	619	612	615	616	617	611	611	608	600	619	623	625	609	609	598	597	586	597	596	605	610	615	616	613	609	1	23 27	638	23 56	566	72
23			✓	606	625	614	609	607	597	595	595	602	614	618	635	633	616	596	606	597	607	615	609	616	617	616	617	611	0	11 59	639	0 01	575	64
24	✓			615	616	616	609	612	606	592	596	598	606	607	616	616	618	614	599	598	606	610	613	614	617	623	618	610	0	12 53	630	6 42	580	50
25	✓			617	616	614	613	614	611	606	599	604	611	616	619	619	616	604	594	598	607	614	614	615	614	613	610	611	0	11 53	626	15 53	590	36
26			✓	606	605	600	603	605	605	605	602	605	616	625	625	616	607	601	596	603	605	607	615	617	627	629	661	612	1	23 13	674	15 45	592	82
27				645	617	617	606	586	615	612	597	600	607	610	612	608	608	606	603	596	601	612	616	613	616	617	618	610	0	0 54	657	4 23	567	90
28				617	615	617	617	614	607	598	599	606	613	620	625	616	606	596	593	595	605	607	614	616	616	615	615	610	0	11 12	626	6 46	586	40
29				615	609	607	606	606	607	607	606	603	609	614	606	597	577	585	585	587	603	607	608	615	615	618	616	604	0	22 22	623	13 41	574	49
30				615	610	606	606	606	606	606	605	607	611	618	622	617	607	598	592	596	605	607	609	626	616	616	616	609	0	20 23	636	16 03	587	49
31																																		
MEANS ALL DAYS				617	613	611	609	608	608	606	602	606	615	620	621	616	610	602	597	598	606	610	614	617	618	619	619	611						48
MEANS TEN DAYS ✲				619	617	614	613	612	611	607	604	608	614	621	622	618	612	606	599	601	607	611	614	616	617	618	617	612						37
MEANS FIVE DAYS † (G. M. T.)				614	610	610	607	607	608	609	606 607	609 612	616	623	623	618	610	602	596	600	607	611	613	615	617	618	617	611						
MEANS FIVE DAYS ‡ (G. M. T.)				623	612	615	609	606	605	599	595	599	616	619	621	616	609	598	595	596	605	608	613	620	623	623	629	611						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

☐ = APPROXIMATE, MAGNETIC STORM

{} = INTERPOLATED

[] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

☐ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 324

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1944 — JULY 1944

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				615	610	607	607	607	607	607	604	607	616	622	621	615	606	602	597	599	606	608	613	615	616	616	614	610	0	10	48 627	7	42 594	33
2				612	607	605	604	599	603	604	605	609	615	612	608	606	596	589	593	596	605	608	616	617	615	615	613	606	0	20	27 620	14	44 587	33
3				607	606	605	598	602	604	603	598	603	612	618	625	619	607	594	588	597	606	607	615	615	615	614	610	607	0	12	13 628	15	13 582	46
4	✓			607	604	600	598	597	599	599	592	597	613	626	629	626	619	606	596	597	606	607	609	612	612	613	609	607	0	11	46 631	7	45 586	45
5				607	606	605	605	603	605	605	603	607	617	625	626	622	614	607	605	604	606	607	607	611	610	610	610	609	0	11	14 628	7	58 599	29
6				614	605	605	603	602	604	604	599	605	616	627	627	620	615	604	596	597	605	606	608	609	610	610	611	608	0	10	59 633	15	24 592	41
7				606	605	603	596	602	598	597	589	593	599	598	605	615	606	596	596	604	607	610	612	616	619	621	616	605	0	22	43 626	7	25 583	43
8	✓			607	607	604	603	605	604	604	601	606	612	618	625	625	616	606	596	596	604	606	606	608	612	614	614	608	0	12	24 627	15	40 593	34
9			✓	615	613	606	608	607	606	605	598	600	607	615	615	615	610	599	594	587	596	596	608	614	616	625	626	608	1	23	15 633	16	16 580	53
10				617	613	607	605	603	603	598	596	600	615	616	618	623	624	613	601	598	606	607	610	613	613	614	617	610	0	0	25 628	6	53 588	40
11	✓			615	613	606	599	589	603	605	600	602	610	616	616	606	604	596	590	595	604	607	610	613	615	616	610	606	0	22	06 626	4	17 576	50
12	✓			607	605	605	606	605	605	605	600	606	616	616	615	615	607	601	596	596	605	608	609	613	613	612	609	607	0	9	57 619	16	02 593	26
13				606	606	607	603	599	599	600	596	601	612	623	627	617	609	602	598	597	603	607	610	609	613	610	612	607	0	11	32 629	16	01 590	39
14				611	607	602	599	598	603	602	600	607	617	617	617	613	605	596	595	594	608	603	609	610	613	613	610	606	0	9	55 622	16	39 586	36
15			✓	608	608	603	599	600	598	598	600	602	617	624	617	611	604	593	587	597	603	606	601	623	626	616	610	606	0	21	18 639	15	05 583	56
16				608	606	597	599	597	601	603	607	608	608	609	606	599	600	598	597	602	607	609	614	616	636	617	612	606	0	21	15 648	2	47 581	67
17				614	613	594	603	596	607	605	607	610	616	616	614	605	598	594	599	597	601	607	608	609	617	626	624	608	0	22	15 629	2	41 579	50
18				615	608	601	596	598	598	604	606	616	625	626	619	616	607	604	597	599	606	607	608	615	615	610	608	608	0	9	58 628	3	03 586	42
19			✓	607	608	611	611	607	605	599	596	597	618	626	618	610	602	594	589	591	604	606	607	616	616	612	610	607	0	21	00 637	15	44 587	50
20			✓	608	606	603	602	600	597	600	599	607	617	617	607	606	597	580	575	576	597	608	600	606	616	614	610	602	0	18	00 637	15	49 567	70
21			✓	608	607	608	608	599	606	605	601	607	617	626	625	616	601	589	589	587	596	607	602	617	607	614	617	607	0	20	32 630	16	20 585	45
22				617	623	621	619	617	607	609	607	610	624	627	625	608	597	589	594	598	604	607	610	612	614	615	617	611	0	2	05 636	14	45 587	49
23	✓			616	607	615	613	607	604	605	600	608	618	627	635	627	615	596	590	593	602	606	608	609	615	616	617	610	0	11	45 638	15	46 587	51
24	✓	✓		613	612	608	607	605	604	603	598	605	615	626	631	626	615	600	593	595	606	613	613	614	613	613	613	610	0	11	22 632	15	56 587	45
25	✓	✓		613	610	606	607	606	606	605	604	608	623	627	626	616	606	596	588	595	606	608	611	612	613	613	608	609	0	10	50 628	15	35 586	42
26	✓	✓		606	606	604	604	604	604	603	603	607	616	617	616	606	597	594	586	591	603	607	608	608	608	609	608	605	0	10	50 618	15	48 585	33
27	✓	✓		606	603	600	600	600	597	599	598	606	618	626	623	616	608	597	594	596	604	606	607	609	612	612	612	606	0	10	43 629	15	53 589	40
28	✓	✓		606	605	598	598	598	597	596	597	608	623	626	626	614	597	587	584	589	600	606	607	608	609	608	611	604	0	10	47 628	15	20 580	48
29				606	600	597	596	597	596	589	596	605	616	625	622	615	605	589	586	591	599	605	606	608	609	609	607	603	0	10	47 626	16	02 584	42
30				606	603	599	598	593	596	596	597	606	607	626	625	616	600	586	585	588	597	606	613	611	613	615	615	604	0	10	40 629	4	43 577	52
31				610	606	605	605	596	601	602	599	606	619	626	626	626	596	589	586	594	598	606	607	616	610	614	609	606	0	20	10 629	15	22 583	46
MEANS ALL DAYS				610	608	604	603	601	602	602	600	605	615	621	620	615	606	596	592	595	603	607	609	612	614	614	613	607						44
MEANS TEN DAYS ✲				610	607	605	604	602	602	602	599	605	616	622	624	618	608	598	591	594	604	607	609	611	612	613	611	607						41
MEANS FIVE DAYS (G. M. T.) †				607	605	601	601	601	600	598	600 600	607 607	619	624	624	616	605	595	589	593	604	608	609	610	611	611	610	606						
MEANS FIVE DAYS (G. M. T.) ‡				612	611	607	607	603	603	603	602	603	615	622	616	612	603	591	587	588	599	605	604	615	616	616	615	606						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 325

DECLINATION

AUGUST 1944

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM (H M)	MAXIMUM	MINIMUM (H M)	MINIMUM	RANGE
1				607	605	604	602	597	601	596	598	610	619	618	613	598	588	577	578	591	606	605	610	628	616	616	613	604	0	20 07	666	14 42	570	96
2			✓	608	607	606	606	606	606	606	607	617	627	636	634	618	602	587	585	589	599	605	606	607	608	612	614	608	1	10 28	638	15 01	579	59
3			✓	616	616	608	610	616	627	603	615	614	611	596	557	567	567	587	587	587	637	597	611	637	627	625	616	606	1	17 16	685	11 40	538	147
4				614	610	607	597	596	598	599	607	615	627	628	626	617	607	597	599	600	606	608	609	612	627	617	611	610	0	21 38	647	3 30	586	61
5				607	607	605	606	606	600	604	605	609	618	622	619	611	607	600	598	600	607	608	608	609	614	610	613	608	0	10 48	627	15 45	597	30
6				610	612	608	606	600	583	604	603	608	620	629	633	628	617	607	599	596	600	604	607	609	613	614	609	609	0	10 55	636	5 16	566	70
7	✓			618	607	602	604	606	607	608	611	618	622	618	616	608	608	605	602	601	606	607	608	608	609	618	611	610	0	22 50	633	1 52	597	36
8				608	607	605	604	605	606	606	608	627	636	630	627	617	603	593	589	597	600	601	607	609	609	609	630	610	0	23 44	652	15 32	586	66
9				619	610	600	589	599	600	607	607	609	619	629	628	607	590	580	582	589	599	607	609	609	610	610	609	605	0	0 01	638	14 47	576	62
10				607	599	606	607	600	601	606	610	622	627	639	636	622	602	589	585	589	582	598	600	609	612	622	621	608	0	22 46	642	17 38	575	67
11				618	609	602	600	603	607	607	600	610	623	620	610	609	600	596	590	592	599	602	607	609	611	611	609	606	0	10 05	628	15 38	586	42
12				609	607	599	600	599	600	606	602	609	619	629	618	619	614	606	590	588	592	594	609	612	619	618	612	607	1	10 32	632	16 22	581	51
13	✓			609	609	601	600	599	599	598	591	604	618	628	628	618	609	598	592	589	595	600	606	609	611	611	609	605	0	10 31	630	16 33	583	47
14	✓			608	607	600	598	599	601	600	600	609	620	627	627	618	608	598	588	586	591	598	599	601	605	606	605	604	0	10 20	629	16 25	581	48
15				603	600	598	598	588	596	598	601	614	618	619	620	618	609	595	587	587	591	598	608	608	607	608	607	603	0	9 50	626	4 35	569	57
16				605	607	605	605	603	606	601	599	610	622	627	625	618	610	596	587	587	590	594	597	597	605	610	611	605	0	9 54	628	15 55	579	49
17	✓			608	608	607	606	605	602	606	598	599	618	630	637	630	618	596	585	585	591	599	603	605	607	607	605	606	0	11 39	640	16 10	579	61
18			✓	605	604	601	601	600	599	599	600	609	620	633	636	618	598	569	547	557	567	578	598	615	615	612	611	600	1	11 06	639	15 50	527	112
19				611	596	601	603	604	608	607	608	623	627	631	626	608	590	578	577	587	592	598	600	608	609	617	618	605	0	10 32	637	15 22	575	62
20	✓	✓		609	608	606	605	601	599	604	611	621	626	627	619	616	606	591	586	586	589	598	599	607	608	607	608	606	0	10 01	628	15 40	580	48
21	✓	✓		607	606	601	599	598	598	597	600	611	628	637	638	626	606	591	587	590	597	601	605	605	607	608	612	606	0	11 04	640	15 08	582	58
22	✓			608	608	604	600	604	606	599	601	616	628	637	636	618	608	595	579	579	588	590	597	599	610	611	609	605	0	10 57	638	15 57	577	61
23				608	607	607	607	607	603	597	600	618	626	629	630	618	599	588	580	576	577	577	591	617	607	613	618	604	0	10 56	638	16 20	569	69
24				628	629	627	627	617	615	609	617	625	628	627	611	597	592	584	574	576	594	577	597	616	635	620	645	611	0	23 37	655	18 52	563	92
25	✓	✓		609	606	606	603	606	608	608	616	622	629	628	617	597	587	588	589	591	598	601	604	605	607	612	610	606	0	9 42	631	13 38	585	46
26	✓	✓		608	605	602	605	606	607	607	610	619	628	629	628	620	607	597	587	587	594	597	599	603	603	603	606	607	0	9 50	635	16 00	585	50
27				608	608	599	596	598	607	598	597	592	628	637	636	620	600	590	587	587	596	602	602	600	607	606	603	604	0	10 37	638	15 55	585	53
28			✓	589	590	597	593	587	597	598	597	608	626	631	636	625	599	558	536	571	580	595	618	628	608	617	617	600	1	20 13	652	15 30	516	136
29	✓	✓		618	616	600	588	576	587	597	608	618	629	639	644	637	618	598	587	586	590	598	599	601	606	608	605	606	0	11 22	647	4 52	562	85
30				599	603	603	599	600	599	597	598	609	628	640	642	637	616	588	577	579	591	599	598	607	612	610	608	606	0	11 57	649	16 06	575	74
31			✓	606	607	598	598	601	601	597	609	628	639	644	642	624	602	587	574	583	587	598	602	604	604	609	611	606	1	10 47	654	15 45	569	85
MEANS ALL DAYS				609	607	604	602	601	602	602	604	614	624	629	626	616	603	591	584	587	595	598	604	609	611	612	612	606						67
MEANS TEN DAYS ✲				610	608	603	601	600	601	602	605	614	625	630	629	619	608	596	588	588	594	599	602	604	607	609	608	606						54
MEANS FIVE DAYS † (G. M. T.)				606	606	602	600	601	603	600	609 601	618 609	628	632	629	619	605	593	587	588	594	599	601	604	606	608	608	606						
MEANS FIVE DAYS ‡ (G. M. T.)				613	610	605	598	597	604	601	607	615	625	628	621	610	594	578	566	577	594	595	607	618	612	615	614	604						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 326

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1944 — SEPTEMBER 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				604	611	610	592	591	598	598	599	610	613	629	621	611	596	581	567	579	590	595	600	619	623	615	609	603	0	21	05	639	15 43	558	81
2			✓	606	602	601	599	599	596	600	599	578	600	621	623	613	600	598	587	577	586	598	631	614	621	628	621	604	1	19	37	644	8 43	565	79
3				610	608	596	599	592	593	582	593	605	621	631	631	620	599	585	581	583	593	608	608	601	604	605	605	602	0	10	59	633	14 49	575	58
4	✓			607	603	602	600	600	600	601	605	617	631	637	628	614	595	579	575	579	588	597	598	600	600	601	601	602	0	9	46	641	15 24	573	68
5	✓			602	602	604	596	594	594	598	606	608	618	627	632	617	600	587	584	587	594	597	598	607	606	606	606	603	0	10	33	641	15 09	581	60
6	✓			601	602	601	600	600	598	597	602	619	628	628	625	609	591	580	581	589	596	599	600	600	601	602	603	602	0	9	50	629	15 14	577	52
7				601	599	599	598	599	601	594	602	621	632	641	630	610	587	577	577	578	587	600	609	606	606	603	606	603	0	10	30	643	13 58	570	73
8				602	598	599	598	602	603	605	611	621	633	638	630	619	609	593	585	584	588	596	598	602	616	617	618	607	0	10	10	641	15 23	579	62
9	✓	✓		606	600	601	601	587	589	600	618	629	640	640	622	604	592	586	579	587	590	599	601	604	604	604	605	604	0	10	13	649	4 30	576	73
10				608	606	598	598	597	601	600	609	619	626	629	624	610	591	577	583	585	589	597	598	599	607	609	619	603	0	23	15	640	14 48	569	71
11				602	600	598	596	597	601	597	612	623	631	638	630	617	596	583	580	582	590	598	599	603	608	609	609	604	0	10	40	641	16 02	577	64
12				605	598	598	598	598	588	590	598	620	632	631	627	608	591	582	583	580	591	601	612	620	611	609	609	603	0	9	15	638	16 20	573	65
13	✓			605	604	601	602	599	599	602	613	621	633	641	636	611	589	579	581	582	589	594	601	602	609	606	610	605	0	10	24	643	14 50	570	73
14				611	609	603	604	604	606	601	603	631	642	648	641	614	589	580	578	581	589	594	603	603	614	632	627	609	0	10	20	650	15 30	569	81
15	✓	✓		623	612	613	611	601	602	608	614	621	634	641	635	619	600	581	577	580	589	601	601	601	603	607	609	608	0	10	33	643	15 21	568	75
16	✓	✓		602	601	603	604	602	604	601	609	621	634	640	631	605	580	568	570	572	589	593	594	601	604	607	615	602	0	10	20	642	14 42	561	81
17	✓	✓		604	604	604	604	601	602	602	609	627	636	644	639	617	601	589	583	588	590	591	594	600	602	607	605	606	0	10	43	651	15 28	577	74
18				604	609	611	611	612	612	611	620	631	644	630	620	601	589	570	569	572	581	593	599	601	611	615	610	605	0	9	01	649	15 28	559	90
19	✓	✓		610	610	611	602	609	611	612	625	641	642	639	621	591	580	569	578	588	594	601	602	609	608	610	611	607	0	9	17	650	14 20	568	82
20				601	602	605	602	601	603	606	618	631	642	644	635	610	589	580	571	581	590	594	594	599	601	610	614	605	1	10	00	649	15 20	570	79
21			✓	607	607	608	604	598	606	599	575	629	640	632	629	604	583	572	573	590	594	609	611	614	614	615	610	605	1	9	15	651	7 09	555	96
22				609	605	594	594	600	601	609	619	641	644	652	641	614	591	581	582	589	594	599	600	604	610	608	605	608	0	9	29	659	14 34	578	81
23				611	610	610	602	603	611	612	605	620	634	632	621	602	589	580	579	581	591	602	600	595	601	601	602	604	0	10	06	636	14 33	574	62
24			✓	602	603	604	605	599	598	601	614	638	611	627	619	603	595	589	587	601	605	601	604	613	629	630	611	608	1	22	05	660	16 12	572	88
25				602	601	606	592	600	601	589	606	631	640	641	634	612	599	590	584	585	595	601	611	604	607	611	609	606	0	9	31	644	15 40	580	64
26				601	602	601	595	614	620	621	626	621	632	640	631	614	599	589	590	591	596	601	604	601	605	614	616	609	0	10	01	646	14 33	580	66
27			✓	602	605	604	603	602	599	604	624	633	642	641	621	602	589	574	575	582	589	594	610	613	602	602	601	605	0	9	23	646	15 50	569	77
28	✓			603	611	622	611	593	601	612	627	643	650	651	629	598	579	571	575	592	595	601	602	602	606	611	610	608	0	10	11	653	14 30	570	83
29				607	604	591	601	601	603	611	626	644	648	639	611	588	569	571	576	580	585	589	598	601	609	610	604	603	0	8	45	651	13 24	560	91
30			✓	596	602	603	601	590	591	602	621	631	639	635	625	600	579	564	570	580	585	591	593	599	636	659	628	605	1	22	23	681	14 24	561	120
31																																		
MEANS ALL DAYS				605	604	603	601	600	601	602	610	624	633	637	628	609	591	580	579	584	591	598	602	605	609	612	610	605							76
MEANS TEN DAYS ✲				606	605	606	603	599	600	603	613	625	635	639	630	608	591	579	578	584	591	597	599	603	604	606	608	605							72
MEANS FIVE DAYS † (G. M. T.)				604	604	604	604	603	604	604	615 613	628 626	637	641	630	607	591	579	577	583	590	597	598	603	604	607	609	605							
MEANS FIVE DAYS ‡ (G. M. T.)				613	607	606	600	599	602	601	607	622	626	631	623	604	589	579	578	586	592	599	610	611	620	627	614	606							

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

▢ = APPROXIMATE MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

X̄ = NO RECORD

TABLE 327

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1944

OCTOBER 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM			MINIMUM			RANGE
																														H	M		H	M		
1			✓	641	612	614	602	611	612	613	591	612	632	629	628	604	591	580	578	579	590	594	622	611	603	610	618	607	1	19	40	663	15	27	571	92
2				615	611	613	610	592	571	570	603	627	634	633	631	609	590	572	571	580	589	595	602	609	604	602	601	601	0	9	42	640	5	32	559	81
3				602	605	601	600	591	593	597	603	634	640	634	613	591	575	571	572	573	584	590	601	614	615	619	601	601	0	9	20	649	14	03	562	87
4				600	601	600	592	581	592	596	603	630	636	629	605	591	581	580	585	591	599	601	602	598	599	601	602	600	0	9	20	641	14	00	573	68
5	✓	✓		602	601	597	590	596	602	621	634	648	649	623	607	587	570	560	568	583	597	599	600	599	599	600	600	601	0	9	24	654	14	50	559	95
6				600	601	603	604	608	611	620	631	643	649	644	616	584	563	560	569	580	590	594	594	596	598	598	599	602	0	9	58	653	14	06	555	98
7	✓			604	611	600	611	614	599	597	613	638	644	649	634	605	581	567	566	579	590	595	601	607	601	600	601	604	0	9	04	654	15	30	564	90
8	✓	✓		600	601	603	592	591	602	608	621	635	644	645	632	609	587	570	570	581	594	598	600	601	600	600	600	604	0	9	50	654	15	10	569	85
9	✓	✓		600	600	600	601	605	605	612	632	640	641	629	614	594	581	571	571	576	589	591	594	599	601	600	600	602	0	9	09	645	15	07	564	81
10				601	600	601	601	601	603	614	629	649	653	643	616	585	564	559	563	579	590	592	597	596	598	599	600	601	0	9	10	660	14	50	558	102
11			✓	600	600	602	600	601	601	619	646	660	652	632	595	572	551	549	554	571	580	585	590	591	613	645	642	602	1	9	33	693	14	58	542	151
12				663	612	603	608	614	603	618	634	645	652	642	629	601	593	584	583	592	595	603	604	602	599	597	602	612	0	0	21	682	15	03	582	100
13				593	597	599	595	593	594	605	621	634	641	635	613	584	565	562	570	582	585	589	590	592	613	611	592	598	0	9	53	649	14	20	560	89
14			✓	601	599	592	594	610	627	615	635	642	645	640	615	591	576	565	565	572	574	590	592	601	601	592	587	601	1	9	43	650	14	25	559	91
15			✓	605	611	602	610	628	636	642	632	622	615	612	594	578	572	561	568	573	586	604	602	603	602	598	598	602	1	6	31	653	13	55	559	94
16				596	607	612	619	602	608	605	614	643	651	642	623	593	572	562	560	571	583	585	587	593	602	604	603	602	0	9	32	653	15	21	555	98
17				600	601	603	604	612	614	624	642	653	655	651	623	590	563	553	555	564	571	589	596	603	601	600	599	603	0	8	51	662	14	45	549	113
18				596	600	602	601	594	596	588	623	649	653	632	604	573	552	549	554	573	578	593	612	606	602	603	602	597	0	9	01	655	14	26	543	112
19	✓	✓		597	593	594	601	602	603	611	632	644	646	636	612	591	573	564	565	576	588	591	596	589	592	595	594	599	0	9	30	653	14	50	563	90
20	✓			596	597	600	601	601	604	606	621	645	651	651	626	595	573	564	568	582	585	586	586	589	587	592	593	600	0	9	50	662	15	07	562	100
21	✓	✓		598	605	604	604	603	592	584	613	649	657	654	627	593	564	554	561	573	584	592	591	594	595	595	595	599	0	9	53	665	14	52	552	113
22	✓			594	598	603	595	600	599	604	620	635	649	651	623	581	555	552	556	574	584	593	594	594	595	596	597	598	0	9	41	655	14	27	548	107
23				596	598	603	601	600	604	613	624	642	653	646	625	589	564	555	554	556	576	584	588	592	594	596	623	599	1	9	25	657	14	51	551	106
24			✓	649	634	656	633	625	627	624	633	647	644	627	612	586	573	564	564	575	586	596	612	604	595	604	603	611	0	2	37	675	15	12	558	117
25				595	596	612	610	604	605	620	636	644	651	645	629	604	585	574	564	571	579	586	593	595	596	598	597	604	0	9	03	659	15	32	562	97
26				599	597	595	575	593	606	615	635	623	646	639	635	604	571	563	557	565	594	589	595	595	595	595	595	599	0	9	23	663	15	30	554	109
27				597	591	584	592	595	601	611	624	635	645	645	627	604	581	564	564	574	591	595	595	597	604	605	605	601	0	9	50	651	15	08	555	96
28				592	598	599	598	603	605	611	623	638	651	639	618	585	563	554	565	576	586	593	595	598	604	610	609	601	0	9	25	655	14	35	552	103
29	✓			608	610	607	602	604	614	618	632	643	644	629	604	583	564	559	565	576	585	592	593	593	595	596	596	600	0	9	05	646	14	33	555	91
30	✓			599	599	598	598	605	605	606	615	626	638	633	598	566	554	555	565	575	584	585	587	593	595	595	597	595	0	9	11	644	13	48	545	99
31				601	597	598	598	606	609	618	637	655	656	637	613	589	567	564	571	579	585	595	597	598	605	606	601	603	0	8	43	664	14	03	556	108
MEANS ALL DAYS				605	603	603	601	603	605	610	624	640	646	638	617	591	571	563	566	576	586	592	597	598	600	602	602	602								99
MEANS TEN DAYS *				600	602	601	600	602	602	607	623	640	646	640	618	590	570	562	566	578	588	592	594	596	596	597	597	600								95
MEANS FIVE DAYS † (G. M. T.)				598	599	601	600	603	604	611	626 627	643 642	647	637	618	595	575	564	567	578	590	594	596	596	597	598	598	602								
MEANS FIVE DAYS ‡ (G. M. T.)				615	607	608	611	608	605	611	624	637	638	628	609	586	573	564	566	574	583	594	604	602	603	610	610	603								

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 328

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1944

NOVEMBER 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			596	589	605	596	595	602	621	636	646	647	645	629	602	575	565	565	577	585	591	590	595	599	598	597	602	0	8 06	656	15 02	561	95
2				596	596	596	598	603	604	609	626	646	648	635	613	585	575	557	557	568	582	586	587	588	588	591	596	597	0	9 10	655	14 55	555	100
3				596	596	596	598	603	606	617	636	645	646	635	606	582	566	558	559	573	584	587	596	610	604	596	615	600	0	9 22	648	14 47	555	93
4			✓	607	606	604	605	606	610	626	640	656	659	655	620	584	556	545	545	555	567	576	594	605	606	607	605	602	0	8 50	666	15 13	540	126
5			✓	587	607	608	607	610	620	626	635	652	657	650	616	590	565	556	555	556	585	589	597	618	615	616	616	606	1	9 18	662	15 00	546	116
6			✓	607	617	628	635	618	599	603	615	626	627	621	605	577	568	558	557	567	572	573	584	587	603	605	603	598	0	1 52	648	14 43	550	98
7				600	599	600	603	606	607	613	626	639	645	638	614	587	568	557	559	563	576	586	586	588	597	609	618	599	0	8 42	648	14 45	553	95
8				616	605	605	605	606	600	607	617	622	626	623	608	590	577	563	556	557	567	578	581	587	593	597	598	595	0	9 27	638	15 58	548	90
9				596	596	596	597	597	608	619	637	647	653	645	626	597	579	565	557	558	570	587	588	595	598	600	606	601	0	8 56	658	15 30	556	102
10			✓	602	605	608	602	588	599	616	626	621	618	631	599	578	562	557	547	558	562	578	587	608	612	609	605	595	1	7 40	629	15 14	539	90
11				580	626	615	608	610	621	628	634	638	634	622	607	589	578	568	577	588	590	591	596	601	600	599	598	604	0	8 15	648	14 40	564	84
12	✓			597	598	606	600	602	611	628	639	650	648	637	608	587	567	559	568	578	586	589	590	590	599	597	598	601	0	8 51	659	14 32	557	102
13	✓	✓		598	599	600	600	606	609	618	628	637	641	636	609	580	567	558	559	568	578	586	588	588	589	590	595	597	0	9 00	642	14 30	556	86
14	✓			598	598	601	602	606	609	619	634	640	646	638	618	590	569	559	562	568	574	578	581	587	593	598	605	599	0	9 03	649	14 50	558	91
15	✓	✓		609	610	610	608	607	609	619	626	637	642	639	629	603	579	563	561	569	579	583	588	589	589	591	599	602	0	9 47	644	15 20	559	85
16				603	607	604	602	602	608	617	623	629	628	624	608	586	563	556	554	560	565	576	580	590	597	600	602	595	0	8 50	630	15 03	549	81
17	✓			601	602	603	607	608	609	620	639	641	638	619	598	568	552	549	551	565	579	587	589	589	590	590	592	595	0	9 04	646	14 56	547	99
18				598	599	605	608	609	612	623	637	639	650	644	618	579	558	547	548	559	579	582	588	589	599	624	619	601	0	9 10	651	14 50	538	113
19				605	603	604	607	609	613	628	640	649	646	635	609	577	549	546	549	562	576	595	593	592	599	609	610	600	0	8 04	659	14 52	538	121
20			✓	603	600	601	600	600	609	620	640	659	657	646	618	576	552	534	526	535	547	569	590	597	624	628	620	598	1	9 16	667	15 30	523	144
21	✓			658	645	623	612	616	624	631	641	659	664	648	619	595	569	556	556	565	576	587	588	591	593	594	595	609	0	0 06	669	15 01	553	116
22				597	596	597	596	594	594	606	627	649	662	658	641	616	586	558	556	567	581	588	593	590	593	596	599	602	0	9 25	669	15 07	554	115
23				607	607	601	603	601	607	616	628	645	659	654	640	617	587	566	562	566	569	583	590	598	596	606	606	605	0	9 13	660	15 51	561	99
24	✓	✓		602	600	600	598	598	600	613	630	648	657	649	634	599	582	569	567	573	580	586	587	589	590	594	597	602	0	9 20	660	15 30	561	99
25	✓	✓		597	597	598	599	599	600	614	629	638	643	639	608	583	567	558	559	569	577	583	588	588	589	590	593	596	0	9 25	649	14 35	557	92
26				598	598	597	598	600	609	623	637	648	649	638	614	599	583	578	579	580	588	592	591	597	598	602	601	604	0	8 38	657	14 42	573	84
27	✓	✓		598	597	598	599	599	608	629	649	660	663	643	610	585	573	579	587	590	592	598	597	594	592	592	593	605	0	9 17	670	13 50	569	101
28				597	597	594	593	595	602	618	628	626	627	626	609	598	578	579	580	587	592	598	598	596	594	592	589	600	0	8 00	631	14 00	576	55
29				589	587	589	590	592	610	623	631	640	644	637	615	592	580	571	568	569	578	586	588	587	589	593	597	598	0	9 28	649	15 20	567	82
30				600	599	599	601	603	606	621	640	647	638	616	605	593	580	569	567	569	574	580	583	590	598	598	599	599	0	8 08	650	15 10	563	87
31																																		
MEANS ALL DAYS				601	603	603	603	603	608	619	632	643	645	638	615	589	570	560	560	567	577	585	589	594	598	600	602	600						98
MEANS TEN DAYS ✲				605	604	604	602	604	608	621	635	646	649	639	616	589	570	562	564	572	581	587	589	590	592	593	596	601						97
MEANS FIVE DAYS † (G. M. T.)				599	599	599	599	600	606	618	632 630	644 636	649	641	618	590	574	565	567	574	581	587	590	590	590	591	595	600						
MEANS FIVE DAYS ‡ (G. M. T.)				606	619	615	613	612	614	620	630	643	644	641	612	581	561	550	546	554	567	577	590	603	612	613	610	601						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 329

DECLINATION

2° WEST PLUS TABULAR QUANTITIES, EXPRESSED IN TENTHS OF MINUTES

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1944

DECEMBER 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	M		MINIMUM H	M		RANGE
1				604	599	600	603	608	609	615	622	622	627	621	618	601	585	567	564	568	577	577	585	586	590	608	607	598	0	23	50	638	15	58	561	77
2				617	607	608	607	616	617	630	648	666	657	641	618	589	568	555	548	552	556	567	578	581	583	587	598	600	0	8	55	670	15	17	545	125
3				607	624	608	579	597	616	627	645	660	673	648	625	597	575	565	557	565	568	578	579	595	602	608	604	604	0	9	20	680	15	37	555	125
4	✓			598	597	597	595	597	606	608	621	637	638	638	627	607	587	567	557	563	568	578	578	586	587	597	598	597	0	9	05	645	15	22	555	90
5				601	601	601	598	601	608	618	623	627	638	648	637	616	587	567	558	566	576	578	587	588	597	598	600	601	0	10	24	649	15	40	557	92
6	✓			598	597	597	597	602	607	607	617	623	619	621	617	615	579	566	557	558	569	576	577	578	578	578	611	594	0	8	48	627	15	50	555	72
7	✓	✓		608	606	601	602	600	605	614	618	627	629	628	616	588	566	549	547	555	566	578	588	588	596	598	598	595	0	9	50	630	15	20	544	86
8	✓			597	596	597	597	597	600	607	609	620	634	638	627	606	577	557	554	557	567	578	583	587	589	597	602	595	0	10	10	639	15	48	547	92
9				606	607	598	597	604	610	624	625	638	642	636	617	594	577	566	557	558	568	577	584	587	587	588	594	598	0	9	41	651	15	36	548	103
10	✓	✓		601	606	599	600	600	612	630	636	625	617	610	596	585	577	567	560	566	577	579	583	586	587	588	592	595	0	6	54	645	15	05	557	88
11	✓	✓		596	597	599	602	606	611	620	621	628	623	616	597	586	573	573	577	586	588	588	589	596	594	595	594	598	0	8	05	637	14	20	567	70
12	✓			597	596	596	596	598	608	626	637	652	629	608	585	559	555	559	567	569	569	577	577	579	581	587	590	592	0	8	21	658	13	21	547	111
13			✓	595	597	594	593	598	607	619	634	646	655	648	616	592	570	559	557	560	558	569	566	579	587	600	614	596	1	9	40	659	16	00	551	108
14				619	637	633	626	625	637	643	637	637	638	634	610	586	565	557	558	587	600	596	607	607	602	604	605	610	0	6	24	658	15	10	555	103
15				599	597	597	597	600	609	627	628	629	629	612	591	580	573	567	569	577	586	585	587	587	587	587	597	596	1	7	45	633	14	40	563	70
16			✓	596	595	593	604	617	627	635	627	644	637	618	596	577	550	547	537	558	557	549	584	598	605	684	647	599	2	22	10	768	23	50	450	318
17			✓	659	720	665	603	621	642	659	658	646	637	615	588	567	548	557	548	577	587	613	614	607	623	607	605	615	2	1	23	778	22	55	527	251
18			✓	620	586	647	589	618	627	607	617	624	638	636	618	607	603	587	577	588	583	584	598	598	597	605	596	606	1	1	55	689	1	06	537	152
19				596	597	598	597	595	596	605	608	626	640	647	636	616	601	587	578	576	577	585	587	588	594	600	597	601	0	10	29	649	17	08	567	82
20				587	595	594	594	585	586	595	608	638	658	657	647	627	606	585	577	577	579	596	591	587	590	595	600	602	0	9	39	663	16	50	573	90
21				598	596	597	593	604	608	618	613	619	626	635	634	616	595	570	558	559	567	583	588	588	596	597	599	598	0	10	54	647	16	05	556	91
22				596	587	596	596	598	607	616	625	627	628	626	608	588	585	577	577	581	583	579	583	593	596	603	597	598	0	9	30	637	14	45	574	63
23	✓			597	600	601	590	593	603	611	617	622	627	621	617	615	597	587	576	568	572	575	577	580	586	588	596	596	0	9	10	636	16	18	566	70
24	✓	✓		601	597	595	597	604	606	603	605	610	614	614	606	586	567	580	587	587	577	577	579	587	592	600	601	595	0	8	43	617	13	42	547	70
25	✓	✓		597	595	597	598	602	605	607	612	618	627	623	617	605	597	596	596	586	581	578	577	578	585	587	591	598	0	9	10	637	19	10	575	62
26				598	598	597	597	597	604	608	618	616	616	608	607	595	587	578	580	576	577	584	580	583	586	596	597	595	1	7	25	623	19	51	572	51
27			✓	590	601	610	617	625	627	644	648	646	647	619	598	586	573	563	548	555	558	553	577	606	616	628	645	603	1	9	16	669	15	22	547	122
28				647	657	667	648	668	647	640	599	581	594	568	549	549	555	556	560	567	574	574	567	566	578	587	598	596	0	4	10	715	11	40	546	169
29				614	617	608	607	608	609	621	629	632	623	589	557	546	541	547	556	566	587	585	589	594	597	599	607	593	0	8	00	638	13	28	538	100
30				608	615	607	596	597	618	640	664	658	639	603	560	547	544	547	558	563	569	578	583	584	582	593	601	594	0	7	52	679	14	00	538	141
31				599	599	598	600	599	608	618	650	655	639	600	563	539	537	543	558	573	584	588	588	587	589	597	598	592	0	8	05	667	13	25	536	131
MEANS ALL DAYS				605	607	606	600	606	612	621	626	632	633	623	606	589	574	566	563	569	574	579	584	588	592	600	603	598								109
MEANS TEN DAYS ✲				599	599	598	597	600	606	613	619	626	626	622	610	595	578	570	568	570	573	578	581	584	588	592	597	595								81
MEANS FIVE DAYS † (G. M. T.)				597	596	597	598	600	606	614	618 619	622 627	622	618	606	590	576	573	573	576	578	580	583	587	591	594	595	595								
MEANS FIVE DAYS ‡ (G. M. T.)				628	639	642	613	625	630	631	624	641	643	627	603	586	569	563	553	568	569	574	588	598	606	625	621	607								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 330

HORIZONTAL INTENSITY

JANUARY 1944

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				718	724	722	729	736	737	736	749	745	743	738	733	728	728	737	739	730	715	724	729	731	730	725	700	730	1	7	19 751	23	59 689	62
2				701	708	712	713	733	726	726	723	730	735	728	722	710	712	720	724	729	731	729	729	731	733	730	736	724	0	4	32 746	0	01 690	56
3	✓	✓		733	730	729	734	738	735	738	738	742	741	732	725	727	728	729	734	734	732	731	731	730	727	734	738	733	0	9	00 744	11	32 723	21
4	✓	✓		739	740	739	740	738	738	744	748	751	754	760	759	749	747	750	748	744	738	738	739	741	743	743	742	745	0	10	45 764	18	06 735	29
5				744	743	746	747	746	744	741	738	740	752	752	737	734	734	729	721	720	725	730	739	741	742	743	749	739	0	9	20 756	16	47 713	43
6	✓	✓		735	734	739	734	736	739	739	738	740	745	751	750	743	737	735	734	736	736	733	732	733	744	737	742	738	0	10	47 753	20	04 730	23
7	✓	✓		742	746	746	745	745	741	742	739	740	741	740	741	737	733	734	735	735	736	740	740	741	743	742	743	740	0	1	41 752	14	32 731	21
8	✓			746	747	748	746	748	747	748	746	744	748	748	749	750	754	754	745	734	736	732	729	720	726	731	739	742	0	13	41 757	20	27 716	41
9				739	733	738	741	743	743	741	738	734	735	739	753	762	762	758	754	753	752	751	746	743	744	741	738	745	0	12	38 763	1	08 731	32
10				739	749	744	744	744	747	746	744	741	741	737	741	752	760	753	757	765	759	757	747	744	742	741	742	747	0	16	54 771	0	27 728	43
11			✓	747	748	750	753	759	760	757	753	748	748	735	724	724	733	735	727	727	707	718	730	734	735	737	748	739	1	4	49 765	17	49 694	71
12				750	774	744	725	718	721	729	730	731	736	741	743	730	739	741	735	731	728	730	736	731	721	735	739	735	1	1	47 789	21	31 716	73
13			✓	718	727	731	731	731	736	736	731	724	722	739	735	724	714	724	725	714	724	722	729	730	737	735	727	728	1	21	54 761	13	37 699	62
14			✓	734	736	741	741	740	728	728	726	730	722	713	712	712	703	714	727	740	729	719	716	735	743	723	727	727	1	21	08 760	13	35 694	66
15			✓	724	750	724	724	724	722	729	727	721	724	725	720	715	715	715	722	728	730	732	728	722	729	734	751	726	1	1	25 769	14	10 700	69
16			✓	736	729	732	756	740	735	733	736	736	726	731	726	725	724	714	718	728	728	739	728	726	726	749	726	731	1	22	21 774	14	40 701	73
17				738	739	726	724	726	730	728	726	716	716	721	711	702	693	701	709	721	733	729	725	731	736	751	735	724	1	22	03 761	13	21 688	73
18				732	741	736	741	745	737	730	727	727	725	723	719	714	717	730	737	735	723	714	721	738	739	733	742	730	0	20	38 754	18	38 705	49
19				750	732	727	735	737	727	724	719	717	715	707	707	715	723	731	733	732	734	734	736	735	733	731	734	728	0	0	25 755	10	55 702	53
20				744	736	732	736	737	738	737	735	740	743	735	728	723	721	716	717	730	732	729	731	729	724	729	736	732	0	0	52 749	15	01 710	39
21	✓			735	732	747	739	739	736	739	738	732	725	715	711	710	710	717	723	733	732	730	730	727	730	734	736	729	0	2	44 753	13	00 705	48
22	✓			736	737	739	738	734	734	733	736	731	734	736	736	737	739	741	743	743	741	740	740	739	739	734	734	737	0	15	59 745	8	55 730	15
23				730	730	730	733	737	737	738	735	730	725	719	717	723	723	722	730	738	735	733	737	738	737	737	737	731	0	16	49 741	11	29 713	28
24				739	740	742	742	741	740	746	742	740	746	749	746	738	731	729	726	726	734	738	741	743	743	738	740	739	0	10	32 751	15	47 722	29
25	✓			748	741	742	746	748	749	751	749	748	747	743	739	738	736	740	747	749	752	747	742	743	738	736	729	744	0	0	43 755	23	28 720	35
26				734	736	741	743	744	747	749	747	741	736	732	732	738	744	747	752	756	758	752	752	752	764	768	766	747	0	22	53 778	11	22 731	47
27				749	747	749	737	727	730	736	736	734	726	719	712	709	706	712	719	719	727	721	721	728	737	733	735	728	0	0	01 762	13	37 703	59
28				737	738	745	753	748	739	739	735	733	731	740	745	749	746	736	737	738	740	733	732	738	740	744	741	740	0	3	41 756	19	14 725	31
29	✓			738	738	736	742	744	744	745	745	736	729	726	719	714	716	724	734	735	730	730	735	741	740	730	732	733	0	7	05 747	12	49 712	35
30	✓	✓		732	733	735	738	743	743	745	745	743	741	738	737	744	747	747	747	740	741	741	740	739	740	747	742	741	0	22	12 750	0	07 728	22
31				738	738	737	737	740	745	748	748	743	738	740	743	748	748	746	745	749	749	748	749	751	751	753	747	745	0	22	17 760	2	44 734	26
MEANS ALL DAYS				736	738	737	738	739	738	739	738	736	735	734	731	730	730	732	734	735	734	734	734	736	737	738	738	735						44
MEANS TEN DAYS ✲				738	738	740	740	741	741	742	742	741	740	739	737	735	735	737	739	738	737	736	736	735	737	737	738	738						29
MEANS FIVE DAYS † (G. M. T.)				742	743	743	743	743	743	745	742 744	743 744	744	744	742	740	738	739	740	738	737	737	736	737	739	741	741	741						
MEANS FIVE DAYS ‡ (G. M. T.)				736	746	733	734	730	727	729	729	732	728	729	723	720	718	720	724	727	724	726	726	729	734	736	736	729						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
() = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̸ = NO RECORD

TABLE 331

HORIZONTAL INTENSITY

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

FEBRUARY 1944

FEBRUARY 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR. ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			741	740	741	755	743	732	737	738	741	747	748	750	750	746	740	737	735	737	738	736	735	735	735	736	741	0	3	56	763	5	24	731	32
2				738	739	740	745	745	741	744	745	748	744	736	727	725	723	728	727	727	731	733	735	733	734	736	743	736	0	3	54	751	13	01	721	30
3	✓	✓		743	743	742	742	744	748	748	750	751	752	750	742	732	730	730	732	737	744	740	740	741	743	741	740	742	0	9	21	753	14	17	729	24
4				738	738	738	741	741	743	745	745	745	745	738	733	741	741	743	749	748	750	748	746	744	742	751	752	744	0	22	43	759	11	31	730	29
5				745	741	743	758	751	751	749	748	748	746	746	746	746	746	749	756	756	754	754	753	754	755	756	753	750	0	3	10	766	0	25	735	31
6	✓			752	757	756	753	748	748	746	746	747	749	753	751	741	738	742	744	745	747	748	745	747	747	744	747	748	0	1	23	764	13	16	736	28
7			✓	745	746	747	749	752	755	757	762	760	760	764	766	763	764	744	737	751	739	705	728	692	724	701	716	743	2	11	37	769	20	53	654	115
8			✓	716	723	717	722	717	720	725	733	712	713	723	721	705	701	710	703	715	718	717	722	725	750	732	733	720	1	21	19	764	12	44	688	76
9			✓	725	723	727	727	729	723	727	727	720	715	715	719	713	703	693	702	718	727	726	715	717	722	713	721	719	1	20	57	753	14	51	681	72
10				724	731	727	724	729	735	735	729	722	718	722	718	715	725	717	720	723	720	720	719	736	745	736	743	726	1	21	19	751	18	07	700	51
11				740	733	728	728	729	727	727	722	713	704	704	707	710	705	715	718	714	715	725	718	708	726	730	749	721	1	23	19	759	13	24	699	60
12				730	728	734	737	735	730	733	724	719	718	709	708	723	732	730	726	728	728	726	729	730	750	731	727	728	0	21	21	764	10	48	703	61
13				733	735	738	738	736	735	739	741	734	722	710	706	709	720	731	732	730	732	732	734	734	738	736	732	730	0	3	50	743	11	20	701	42
14			✓	745	737	734	735	736	741	745	750	746	716	679	672	660	654	649	646	662	664	673	684	728	688	712	711	703	1	7	41	756	15	01	631	125
15			✓	706	711	716	717	722	723	727	725	722	712	697	706	703	707	712	712	717	716	716	710	715	716	719	730	715	1	23	54	737	10	43	690	47
16				726	740	745	738	728	722	718	726	727	725	725	720	722	724	722	721	722	719	724	722	726	727	731	745	727	0	1	52	757	14	59	714	43
17				737	733	730	730	730	731	734	734	733	732	730	726	724	723	723	724	727	729	734	736	737	732	733	732	731	0	0	01	747	14	38	720	27
18	✓	✓		737	737	735	734	734	736	734	735	732	733	734	733	731	732	729	730	732	734	730	728	729	732	736	738	733	0	0	49	744	20	02	726	18
19	✓			739	739	738	739	738	737	738	735	728	727	734	737	732	725	726	732	737	737	734	730	733	735	738	740	734	0	23	52	741	13	56	724	17
20				740	741	741	742	742	743	743	740	736	733	733	743	755	761	764	763	759	752	723	719	718	727	706	713	739	1	15	15	767	22	48	692	75
21				722	718	722	733	729	722	726	716	717	719	720	722	716	723	731	735	726	716	710	719	722	724	729	727	723	0	15	18	738	18	23	704	34
22				725	726	730	731	734	735	734	730	717	699	693	702	717	719	719	719	722	727	727	727	727	729	730	731	723	0	5	43	737	10	48	692	45
23	✓			734	735	735	737	740	741	741	741	735	727	719	712	714	722	727	727	732	736	737	737	731	734	737	737	732	0	4	42	743	12	16	709	34
24	✓	✓		741	739	737	739	741	743	745	748	744	737	734	729	727	728	736	742	745	744	744	744	741	742	743	743	740	0	7	38	749	12	13	726	23
25	✓	✓		743	743	744	747	750	748	748	745	735	723	717	723	729	735	740	742	743	742	743	745	745	745	745	744	740	0	4	34	751	10	30	715	36
26	✓			746	744	747	749	751	752	753	754	747	734	716	706	719	736	743	743	741	739	736	739	749	752	753	752	742	0	7	02	756	11	30	704	52
27	✓	✓		751	750	751	752	757	756	754	751	744	737	731	723	720	726	731	736	739	741	744	744	741	741	741	743	742	0	4	36	759	12	12	718	41
28				741	744	745	749	751	753	754	752	746	741	734	727	721	720	728	735	737	741	750	751	748	750	750	750	742	0	6	37	755	13	20	717	38
29				750	750	749	749	759	756	758	756	754	748	745	741	736	737	737	740	742	740	737	731	731	737	740	740	744	0	3	42	764	14	52	725	39
30																																				
31																																				
MEANS ALL DAYS				736	737	737	739	739	739	740	740	735	730	726	725	724	726	727	729	731	732	730	731	732	735	734	737	733								46
MEANS TEN DAYS ✲				743	743	743	745	745	744	744	744	740	737	734	731	730	732	734	736	739	740	739	739	739	741	741	742	739								30
MEANS FIVE DAYS † (G. M. T.)				741	742	742	745	746	747	748	746 746	741 740	736	733	730	728	730	733	736	739	741	740	740	739	741	741	742	740								
MEANS FIVE DAYS ‡ (G. M. T.)				719	726	726	726	725	725	726	728	732	723	716	717	709	706	702	700	713	713	707	712	715	720	715	722	718								

DESIGNATIONS AND REMARKS

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[ ] = APPROXIMATE MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 332

HORIZONTAL INTENSITY

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1944

MARCH 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M	MAXIMUM	MINIMUM H M	MINIMUM	RANGE
1	✓	✓		739	735	739	745	739	743	744	749	749	744	737	732	731	732	731	734	739	739	744	746	748	749	749	749	741	0	8 10	752	12 09	729	23
2	✓			748	751	751	751	752	753	754	741	734	734	739	744	740	744	744	739	736	736	736	731	729	741	731	736	741	0	6 22	757	22 16	726	31
3	✓	✓		739	739	739	745	750	744	745	746	745	741	741	741	742	742	740	739	741	743	746	749	752	751	752	749	744	0	20 56	753	15 39	736	17
4				749	749	749	749	749	752	754	756	756	764	771	758	759	750	748	726	729	697	706	709	710	706	719	721	739	1	10 40	777	18 03	679	98
5				739	734	734	734	734	733	730	729	730	730	732	736	741	740	735	732	732	732	737	740	739	738	742	755	736	0	23 20	765	7 12	725	40
6				736	734	744	735	742	743	747	745	737	740	749	738	744	742	737	738	733	717	713	726	739	728	746	743	737	1	22 46	756	19 06	706	50
7			✓	739	735	747	748	736	740	729	726	718	721	711	720	731	728	716	720	716	721	727	725	738	724	749	747	730	1	22 47	776	10 46	705	71
8				721	729	733	733	731	732	731	718	721	720	724	725	723	718	726	719	727	735	737	738	736	728	725	734	728	0	20 34	746	13 08	711	35
9				741	742	759	736	738	737	737	733	727	713	729	746	739	734	741	731	729	727	731	716	726	724	745	739	734	1	2 14	771	19 28	705	66
10			✓	745	739	734	734	734	732	731	719	728	735	724	708	708	713	729	713	703	698	719	712	733	733	718	723	724	1	21 43	778	17 06	684	94
11				724	734	745	734	726	723	714	716	717	719	716	712	708	705	718	722	722	716	724	715	728	729	733	733	722	0	2 12	749	13 44	701	48
12				731	731	749	750	737	736	737	731	721	706	710	714	711	713	719	724	724	716	719	726	734	734	726	739	727	1	2 35	762	9 57	701	61
13				730	730	725	726	727	727	727	728	720	714	697	712	724	723	726	728	723	719	731	726	731	741	738	733	725	0	21 14	754	10 33	689	65
14				734	731	731	733	735	736	739	739	729	724	729	735	729	724	706	712	724	715	721	720	723	733	736	730	728	0	22 05	743	14 55	696	47
15	✓	✓		733	731	732	739	737	736	736	734	732	733	736	740	738	734	734	730	734	734	734	736	735	736	736	737	735	0	11 41	741	15 40	728	13
16	✓			736	737	737	737	742	742	742	740	728	730	733	727	722	727	730	733	730	730	729	720	723	732	735	732	732	0	5 22	745	19 47	714	31
17	✓	✓		734	731	729	730	734	735	737	735	731	726	729	728	725	724	726	730	734	736	739	737	738	738	737	737	732	0	18 40	740	13 18	722	18
18				737	738	739	741	742	742	743	742	737	731	729	727	729	735	745	740	746	750	751	752	755	756	755	755	742	1	21 28	759	11 42	725	34
19			✓	755	759	758	742	755	740	754	748	759	738	701	725	725	718	713	710	708	713	706	696	706	708	718	716	728	1	6 40	771	19 10	687	84
20	✓			719	723	723	729	737	739	729	712	718	719	719	721	725	726	726	717	711	708	710	716	718	720	725	724	721	0	5 10	744	7 36	706	38
21	✓			725	726	733	733	727	727	732	733	731	733	734	729	724	726	726	726	726	729	731	731	729	728	729	729	729	0	3 00	740	12 38	721	19
22				728	726	726	731	729	731	734	736	733	725	713	701	701	711	708	713	713	718	724	711	722	729	739	743	723	0	23 40	744	12 03	696	48
23	✓			745	739	739	745	745	744	742	741	739	736	733	734	729	722	725	728	726	730	731	733	734	735	733	737	735	0	0 18	749	13 49	716	33
24	✓	✓		737	736	747	743	739	733	734	735	733	724	724	729	734	740	744	746	741	739	741	739	731	731	734	741	736	0	2 21	753	9 22	721	32
25				741	741	742	743	743	744	743	740	734	734	743	749	750	753	754	748	746	747	735	739	742	748	751	755	744	0	23 51	758	18 30	730	28
26			✓	750	755	760	745	738	737	735	737	737	738	742	727	715	732	731	694	686	703	686	697	719	723	706	722	726	1	2 19	770	22 17	673	97
27			✓	720	724	731	734	741	744	754	737	713	708	716	692	644	677	654	663	679	691	692	696	693	706	707	724	706	2	7 13	768	12 39	616	152
28				716	712	717	712	710	715	717	716	712	715	716	712	704	700	701	708	714	702	709	714	722	722	720	731	713	0	23 21	737	17 53	696	41
29				719	714	719	722	723	728	739	724	716	700	707	713	702	669	666	674	669	687	683	699	712	711	723	714	706	1	6 20	741	14 26	659	82
30				725	722	720	718	729	725	725	724	717	705	713	718	713	704	697	709	717	718	719	720	719	731	725	723	718	0	21 26	745	14 32	688	57
31				725	736	735	732	731	731	727	720	727	732	734	728	725	721	720	717	712	717	713	706	713	730	728	728	724	0	1 21	744	19 50	703	41
MEANS ALL DAYS				734	734	738	736	737	736	737	733	730	727	727	726	724	723	723	721	722	721	723	723	728	730	733	735	729						51
MEANS TEN DAYS ✲				736	735	737	740	740	740	740	737	734	732	732	732	731	732	733	732	732	732	734	734	734	736	736	737	735						26
MEANS FIVE DAYS † (G. M. T.)				742	743	744	744	746	747	747	740 744	738 738	734	733	734	734	734	735	736	738	738	741	741	741	741	742	743	740						
MEANS FIVE DAYS ‡ (G. M. T.)				720	724	730	728	729	731	729	720	731	728	719	714	705	714	709	700	698	705	706	705	718	719	720	726	718						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊿ = NO RECORD

TABLE 333

HORIZONTAL INTENSITY

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1944

APRIL 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				728	729	732	734	734	734	733	726	722	716	718	721	722	724	723	723	724	729	734	739	740	736	735	733	729	0	20 12	742	9 52	713	29
2			✓	733	733	735	746	745	742	732	742	740	724	723	741	754	750	713	635	591	529	496	526	561	616	632	647	679	2	13 37	769	17 53	449	320
3				658	664	672	680	687	685	685	688	682	682	679	685	682	703	707	701	700	707	714	716	714	713	711	710	693	1	19 42	718	0 03	652	66
4			✓	712	714	718	717	718	720	718	719	716	717	720	722	722	716	692	707	713	710	707	734	706	720	727	726	716	1	19 21	746	14 35	680	66
5			✓	716	716	721	724	724	723	724	721	719	721	721	713	718	714	716	721	719	716	713	714	722	724	731	744	721	1	23 44	763	19 08	687	76
6			✓	732	726	741	733	731	727	720	723	717	714	712	719	724	732	725	699	691	697	701	702	716	721	723	716	718	1	2 28	751	17 28	664	87
7				724	728	729	730	722	722	722	722	722	709	689	702	714	721	724	719	707	718	725	729	727	727	724	725	720	0	2 54	734	10 24	682	52
8				725	728	740	739	729	731	723	718	708	705	705	705	705	715	720	726	727	729	730	720	706	721	715	719	720	0	3 08	752	20 34	690	62
9				725	723	725	724	725	727	731	730	728	728	730	735	734	731	732	731	732	732	732	734	734	737	737	737	731	0	21 22	740	0 03	719	21
10				737	736	744	746	745	734	750	745	738	738	738	736	715	713	718	712	700	696	711	722	717	724	733	728	728	1	6 27	757	16 56	684	73
11				736	725	730	732	734	735	736	733	728	726	725	736	733	730	728	731	734	738	738	741	738	738	737	734	733	0	0 10	746	10 37	718	28
12				729	753	741	737	737	734	735	735	727	716	718	728	729	724	716	723	722	724	729	734	735	732	735	735	730	0	1 19	759	9 56	706	53
13	✓	✓		734	734	737	737	737	737	740	744	745	741	739	733	728	728	728	730	735	739	739	740	739	738	737	736	736	0	8 03	746	15 07	727	19
14	✓	✓		736	736	736	736	741	742	744	749	749	747	744	744	744	742	741	741	743	744	744	745	743	743	742	742	742	0	8 12	750	0 05	735	15
15				740	740	740	740	742	742	742	743	738	735	737	742	744	742	739	739	742	743	742	737	737	745	751	755	742	0	22 45	760	10 12	734	26
16			✓	757	756	763	756	750	744	752	760	755	750	719	728	727	721	713	697	689	685	671	668	692	664	689	706	721	1	2 34	767	21 11	650	117
17	✓			713	716	708	716	718	722	727	724	726	723	711	710	713	713	714	715	716	717	718	713	715	719	722	721	717	0	1 02	737	1 52	701	36
18	✓			723	726	727	731	735	738	735	735	737	724	725	726	729	728	723	722	723	725	727	730	730	729	728	731	729	0	8 20	740	0 03	719	21
19	✓	✓		732	732	732	731	733	735	734	737	734	730	731	732	731	729	729	729	731	736	736	737	738	737	733	734	733	0	20 39	740	14 00	727	13
20	✓			733	735	736	738	739	739	739	742	745	745	745	743	745	737	732	735	735	732	730	732	735	735	735	735	737	0	9 56	747	18 15	727	20
21	✓			734	733	736	742	741	742	742	744	747	750	751	745	744	744	743	740	743	746	746	740	728	730	741	746	742	0	10 10	753	20 35	725	28
22	✓	✓		744	746	746	744	746	748	747	749	750	748	747	748	745	740	736	734	738	742	741	740	739	740	738	739	743	0	8 07	751	15 19	732	19
23	✓	✓		740	742	742	744	745	745	748	751	753	748	742	740	741	743	742	741	744	746	748	747	747	747	744	742	745	0	8 22	753	15 02	739	14
24				742	742	743	745	745	748	750	753	753	762	763	759	743	727	719	705	706	719	734	738	735	733	732	729	739	0	9 29	766	15 24	701	65
25	✓			730	727	727	730	733	738	742	740	733	740	746	744	738	733	730	725	728	735	740	743	743	741	739	741	736	0	10 29	748	15 45	722	26
26				741	744	754	743	739	741	743	751	747	747	741	733	728	715	709	717	728	735	738	738	739	739	738	737	737	0	2 26	759	14 24	707	52
27				743	749	751	743	744	746	749	752	751	748	744	739	733	736	731	728	729	734	725	712	719	731	734	733	738	0	1 58	759	19 29	705	54
28				751	749	736	738	742	743	742	740	742	734	735	732	734	732	727	726	728	741	745	741	744	739	736	733	738	0	0 33	765	16 09	721	44
29				736	731	736	754	740	738	742	745	749	750	751	753	741	737	738	729	735	737	746	750	738	725	738	737	741	1	3 34	761	21 49	719	42
30				736	735	738	740	742	743	746	748	748	748	746	743	739	716	724	718	702	724	732	726	729	734	737	734	734	0	7 46	751	16 50	687	64
31																																		
MEANS ALL DAYS				731	732	734	735	735	735	736	737	735	732	730	731	730	728	724	720	718	720	721	723	724	726	728	730	729						54
MEANS TEN DAYS ✲				732	733	733	735	737	739	740	742	742	740	738	736	736	734	732	731	734	736	737	737	736	736	736	737	736						21
MEANS FIVE DAYS (G. M. T.) †				738	739	739	741	742	743	745	746 748	746 748	743	741	739	738	736	735	735	738	741	742	742	741	741	739	739	740						
MEANS FIVE DAYS (G. M. T.) ‡				709	710	714	717	716	716	716	716	729	725	719	725	729	727	712	692	681	667	658	669	679	689	700	708	705						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 334

HORIZONTAL INTENSITY

MAY 1944 — MAY 1944

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	735	737	741	738	739	742	742	738	738	748	752	744	736	720	712	715	707	699	696	720	689	686	735	691	725	1	22	42	787	23 41	670	117
2			✓	703	713	714	737	723	718	720	723	721	715	715	717	709	676	684	716	727	726	709	711	713	729	721	724	715	1	3	12	750	13 57	666	84
3				734	733	726	726	725	728	729	732	735	734	724	711	703	703	711	716	724	731	731	737	723	721	720	732	725	0	0	01	746	13 00	698	48
4			✓	731	731	732	731	730	733	736	741	748	747	744	743	744	739	733	735	739	744	742	722	717	726	743	735	736	1	22	28	752	20 03	712	40
5				729	729	743	733	748	743	740	740	735	730	727	734	735	726	716	720	727	732	725	729	720	740	734	723	732	0	4	54	769	14 26	711	58
6			✓	729	726	740	734	731	733	737	741	733	724	732	733	727	722	722	713	718	727	721	729	725	723	745	741	729	1	22	25	763	15 29	708	55
7				731	733	737	740	733	733	733	736	743	742	737	728	720	723	699	691	718	728	729	730	729	729	733	738	729	0	23	52	751	15 01	680	71
8				748	743	732	735	729	735	741	745	742	731	729	733	721	725	721	718	710	729	736	737	736	737	733	733	732	0	0	40	756	16 19	703	53
9				734	734	735	735	736	738	738	740	743	740	734	730	732	732	732	735	739	743	745	745	743	743	741	741	738	0	18	46	746	11 37	729	17
10	✓			741	740	738	744	744	743	743	748	750	749	744	746	746	738	730	730	735	742	743	742	743	743	743	744	742	0	8	42	752	15 00	728	24
11				744	745	746	747	750	753	755	753	757	754	749	745	741	734	729	733	742	749	750	750	747	750	749	749	747	0	8	39	761	14 48	726	35
12				749	749	750	752	756	755	757	759	758	756	754	748	743	736	730	733	740	748	748	746	746	746	745	745	748	0	7	58	760	14 14	728	32
13	✓	✓		742	740	741	748	748	750	750	758	764	764	757	753	747	740	736	738	741	746	747	746	743	741	746	748	747	0	9	29	766	14 27	734	32
14	✓			748	748	748	749	751	753	755	761	764	763	759	751	742	731	730	734	741	744	746	742	743	743	743	743	747	0	8	32	766	14 32	727	39
15				743	746	747	747	749	749	752	751	750	751	738	725	719	714	713	726	735	743	744	740	739	741	741	740	739	0	7	05	754	14 24	708	46
16	✓	✓		741	746	745	744	746	749	751	754	756	755	750	743	740	737	737	742	747	750	751	751	750	750	748	748	747	0	8	42	757	14 05	734	23
17	✓			748	748	753	753	753	752	753	758	762	761	760	754	744	733	734	741	747	752	753	752	749	747	747	749	750	0	8	25	763	13 42	731	32
18	✓	✓		751	752	752	752	752	752	753	755	760	761	761	758	752	747	741	739	744	749	748	751	752	752	749	748	751	0	10	15	763	15 12	738	25
19	✓			749	751	752	755	757	760	762	769	773	775	769	761	752	742	740	749	757	763	761	757	752	748	749	751	756	0	9	26	777	14 09	736	41
20	✓	✓		751	756	755	756	758	757	758	759	762	762	757	751	747	742	737	742	750	755	755	753	753	753	754	754	753	0	9	27	763	14 39	735	28
21	✓	✓		755	754	756	757	759	759	761	764	765	765	764	759	750	746	744	747	755	756	753	752	751	749	749	751	755	0	9	06	767	14 31	741	26
22	✓			753	755	753	753	755	756	756	761	766	768	768	762	754	749	743	746	756	762	761	755	754	754	753	753	756	0	10	19	770	14 37	741	29
23				750	750	753	753	752	757	762	767	769	769	765	756	741	737	737	742	748	748	749	748	749	751	740	735	751	0	8	35	771	23 15	731	40
24				734	737	740	745	750	751	755	758	759	761	759	755	746	737	729	706	701	706	717	731	734	734	733	730	738	0	9	39	764	16 19	693	71
25				733	733	733	733	732	738	735	741	751	752	747	737	724	723	722	724	733	737	736	732	731	728	732	735	734	0	9	12	754	15 02	719	35
26				737	739	748	754	753	751	755	758	753	748	750	741	740	735	736	738	738	741	739	742	744	744	744	743	745	0	7	24	759	13 59	730	29
27				742	742	743	745	745	745	748	752	754	756	754	751	737	723	732	740	737	740	743	735	734	737	736	737	742	0	9	26	757	13 22	718	39
28				739	740	742	742	745	745	747	751	754	754	754	750	748	748	747	745	747	750	753	750	748	745	743	747	747	0	8	57	756	0 44	737	19
29			✓	746	746	747	750	750	752	751	747	749	754	754	743	738	738	733	733	738	730	722	724	724	724	726	731	740	0	9	24	757	19 09	711	46
30				735	743	742	742	742	740	735	726	743	750	747	739	728	726	726	720	731	739	739	728	735	723	737	732	735	0	0	52	759	15 28	712	47
31				734	736	738	739	738	739	741	743	746	748	750	746	740	729	721	728	732	737	739	742	742	740	742	738	739	0	10	07	751	14 03	717	34
MEANS ALL DAYS				740	741	743	744	744	745	747	749	752	751	749	743	737	731	728	730	736	740	740	740	737	738	740	739	741							42
MEANS TEN DAYS ✻				748	749	749	751	752	753	754	759	762	762	759	754	747	740	737	741	747	752	752	750	749	748	748	749	751							30
MEANS FIVE DAYS † (G. M. T.)				751	751	752	753	755	756	757	758 763	761 766	761	758	753	747	742	739	742	747	751	751	751	750	749	749	750	752							
MEANS FIVE DAYS ‡ (G. M. T.)				726	730	732	736	734	732	731	731	738	738	739	736	731	719	717	722	726	725	718	721	714	718	734	724	728							

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
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⊼ = NO RECORD

TABLE 335

HORIZONTAL INTENSITY

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1944 — JUNE 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			741	750	734	736	733	736	742	744	747	746	744	747	745	741	737	732	735	740	740	738	738	738	739	736	740	0	1 12	769	0 26	728	41
2	✓			738	738	746	743	745	746	748	754	758	762	756	753	750	750	745	739	739	732	722	723	731	734	737	737	743	0	9 18	763	19 08	720	43
3	✓	✓		737	739	739	742	745	747	747	750	750	750	748	742	738	735	729	728	737	743	745	745	745	745	744	744	742	0	8 19	753	15 22	726	27
4				745	745	746	748	749	750	753	756	763	766	762	756	748	744	741	743	752	760	758	755	750	748	747	747	751	0	9 45	767	15 10	737	30
5				747	751	752	754	757	761	761	772	778	777	772	764	758	754	752	746	742	744	741	739	736	733	737	740	753	0	8 29	781	21 04	730	51
6	✓			740	736	736	739	741	743	744	752	759	764	764	759	753	748	743	745	750	753	753	751	751	750	748	745	749	0	9 52	767	1 42	730	37
7	✓	✓		745	744	749	747	748	750	751	753	758	765	769	766	759	750	745	745	746	749	749	749	746	747	747	747	751	0	10 22	770	1 23	741	29
8	✓	✓		748	748	751	753	753	754	754	756	761	762	759	750	744	738	737	742	750	757	756	755	752	752	751	748	751	0	9 24	764	14 07	734	30
9				747	749	752	752	753	755	758	764	772	774	768	763	752	750	748	749	753	754	751	749	748	746	743	748	754	0	9 14	777	23 23	739	38
10	✓	✓		746	746	748	751	751	751	753	756	759	757	762	761	753	745	739	742	744	747	749	748	747	749	747	747	750	0	10 20	764	14 58	738	26
11				746	748	749	751	752	752	753	757	760	759	753	751	748	744	742	742	745	750	750	748	749	752	749	744	750	0	8 36	761	23 46	738	23
12	✓	✓		753	741	746	741	738	738	741	744	749	752	749	745	743	738	737	741	746	748	747	748	747	745	746	748	745	0	0 28	760	14 07	735	25
13				749	749	749	750	750	752	754	758	761	763	764	760	757	751	746	744	750	754	754	754	755	756	755	758	754	0	10 25	766	15 22	743	23
14				758	754	752	755	753	755	757	758	754	755	755	748	741	740	741	743	747	750	749	747	742	735	740	740	749	0	0 19	760	21 15	729	31
15			✓	740	740	741	741	744	748	745	749	752	753	739	736	731	715	714	702	706	724	730	729	724	723	719	722	732	1	8 46	758	16 23	698	60
16				730	746	739	736	738	742	744	753	756	758	750	750	747	738	730	722	721	724	720	722	731	731	732	735	737	0	9 09	759	16 02	713	46
17				735	741	744	742	740	740	743	745	748	754	750	740	733	728	733	735	742	744	744	744	742	741	745	749	742	0	9 21	755	13 23	726	29
18				743	742	741	744	746	747	749	755	758	760	757	743	726	721	726	731	739	749	746	741	736	739	738	740	742	0	9 32	763	13 03	716	47
19				742	747	748	750	752	756	759	762	760	754	747	742	735	731	736	739	747	746	744	739	743	745	743	743	746	0	7 42	763	13 06	727	36
20				748	749	749	751	752	751	753	761	767	765	757	750	747	736	739	748	744	748	750	745	743	740	742	749	749	0	8 42	768	14 10	731	37
21			✓	748	749	750	755	759	759	759	771	775	771	779	767	753	753	745	736	731	729	747	747	742	742	750	747	753	0	10 13	781	16 52	720	61
22			✓	741	741	744	746	744	744	749	758	766	769	766	748	721	724	726	733	732	722	731	740	741	737	737	740	742	1	8 59	771	12 40	712	59
23			✓	743	737	737	740	741	742	743	745	752	757	756	751	743	738	725	708	731	742	746	744	739	739	733	739	740	0	9 52	759	15 22	695	64
24	✓			738	735	738	739	741	741	745	752	758	759	752	745	744	744	740	737	737	742	745	745	745	738	734	734	743	0	9 12	761	23 10	729	32
25	✓			736	736	740	743	744	747	748	753	759	763	761	755	750	746	742	741	743	746	747	748	747	750	750	752	748	0	9 37	764	0 34	735	29
26			✓	749	750	753	755	754	757	760	763	765	763	752	749	747	738	731	731	735	737	729	730	732	731	755	718	745	1	22 19	783	23 28	713	70
27				719	734	723	725	747	738	731	727	741	744	744	744	746	740	734	728	731	734	723	732	735	738	738	737	735	0	4 34	758	0 28	709	49
28				735	733	737	737	739	742	744	750	752	753	754	747	743	735	734	736	739	739	744	740	743	744	741	740	742	0	10 31	755	1 52	730	25
29				742	743	743	746	746	747	751	752	750	749	752	745	713	708	718	725	734	743	746	740	734	734	735	740	739	0	10 24	755	13 18	703	52
30				739	739	740	741	742	745	748	751	754	755	756	757	756	755	751	745	748	752	744	735	734	738	741	740	746	0	11 10	760	20 12	731	29
31																																		
MEANS ALL DAYS				742	743	744	745	747	748	750	754	758	759	757	751	744	739	737	736	740	743	743	742	742	741	742	742	745						39
MEANS TEN DAYS ✲				742	741	743	743	744	745	747	751	756	758	756	752	748	744	739	739	743	746	745	745	745	745	744	744	746						32
MEANS FIVE DAYS † (G. M. T.)				747	748	749	751	751	753	754	752 758	755 763	757	757	753	747	741	737	740	745	749	749	749	747	748	747	747	749						
MEANS FIVE DAYS ‡ (G. M. T.)				734	739	736	737	742	741	742	747	762	763	758	750	739	734	728	722	727	731	737	738	736	734	739	733	740						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 336

HORIZONTAL INTENSITY

JULY 1944 — JULY 1944

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				742	745	746	748	749	753	753	755	757	755	750	751	746	739	739	745	753	756	753	752	750	747	751	749	749	0	7 52	759	14 02	737	22
2				752	749	750	752	753	755	757	761	762	759	754	748	738	734	736	743	751	751	749	743	743	748	748	748	749	0	7 54	765	13 42	732	33
3				748	748	748	752	754	757	758	763	766	769	766	759	751	748	745	754	752	752	754	752	752	746	743	743	753	0	9 17	771	22 28	742	29
4	✓			745	748	754	753	754	762	766	767	774	774	768	757	745	737	734	738	746	754	754	753	751	751	751	752	754	0	8 41	779	14 49	732	47
5				753	755	756	753	756	758	761	764	764	762	759	755	757	753	749	746	749	756	758	758	756	755	755	752	756	0	9 59	767	15 45	744	23
6				752	757	756	758	758	760	762	766	771	776	774	768	760	758	753	749	753	759	760	759	753	752	752	753	759	0	9 15	779	15 42	748	31
7				753	753	755	761	761	759	759	766	766	758	752	755	751	746	739	737	739	745	747	743	742	736	734	737	750	0	7 55	771	22 40	733	38
8	✓			745	746	746	746	748	753	757	762	769	773	770	767	757	743	743	746	748	752	759	756	753	749	750	748	754	0	9 37	774	13 37	740	34
9			✓	749	749	754	755	755	757	760	768	779	783	786	771	754	749	746	729	714	712	714	722	734	732	731	741	748	1	10 29	789	17 22	709	80
10				738	737	738	742	743	745	748	754	757	762	763	760	754	746	740	737	742	750	752	753	752	751	746	748	748	0	9 44	766	2 05	734	32
11	✓			747	745	744	746	741	749	753	755	759	759	755	749	738	730	733	738	743	749	749	750	748	746	747	747	747	0	9 33	761	13 29	729	32
12	✓			748	749	750	749	749	751	755	759	767	774	770	763	755	749	750	754	757	760	762	760	756	753	751	751	756	0	9 12	775	13 42	747	28
13				750	761	753	753	755	756	759	764	772	776	778	770	765	758	748	747	747	752	752	748	751	751	750	748	757	0	10 44	780	16 43	744	36
14				749	753	754	755	755	755	757	761	765	763	757	753	751	750	744	739	741	732	740	746	750	751	751	751	751	0	8 26	767	17 25	725	42
15			✓	750	752	751	753	754	756	759	761	765	763	758	751	746	739	727	730	729	726	721	714	718	728	732	734	742	0	8 39	768	20 01	709	59
16				736	738	744	749	746	748	749	752	755	758	758	753	757	756	742	736	741	743	745	743	738	749	743	742	747	0	9 37	762	15 19	734	28
17				743	744	746	749	752	757	754	759	764	767	764	748	726	715	718	727	733	737	735	735	737	737	736	732	742	0	9 38	769	13 40	712	57
18				734	737	738	744	745	744	746	751	752	753	754	754	750	746	746	746	748	753	753	746	742	745	747	746	747	0	10 50	756	0 10	732	24
19			✓	744	744	754	753	752	754	753	747	749	751	755	754	747	744	744	749	753	756	761	752	735	739	745	746	749	0	18 17	764	20 53	729	35
20			✓	746	746	749	752	755	761	761	762	770	769	766	761	760	759	761	756	741	731	744	739	733	724	733	740	751	0	8 58	771	21 46	718	53
21			✓	741	741	743	745	750	754	754	757	760	767	766	757	753	751	741	741	745	739	740	737	731	740	744	744	748	0	10 42	768	20 26	721	47
22				743	742	748	748	745	747	749	750	752	752	752	745	743	737	735	737	737	748	747	747	746	746	747	748	745	0	2 46	755	16 35	731	24
23	✓			746	750	753	748	749	750	751	756	760	759	755	756	754	749	744	741	743	751	756	756	753	751	750	753	751	0	2 02	761	16 08	737	24
24	✓	✓		754	750	749	749	751	752	755	760	765	765	762	756	753	745	740	738	745	754	757	757	756	757	755	752	753	0	9 22	767	14 55	736	31
25	✓	✓		750	749	754	755	754	755	757	760	760	757	753	750	746	738	741	750	755	759	759	759	757	756	755	755	754	0	8 40	762	13 54	736	26
26	✓	✓		753	753	753	754	756	759	761	764	770	771	771	762	756	748	749	756	759	762	761	762	761	759	755	751	759	0	10 32	774	13 57	743	31
27	✓	✓		749	752	754	757	757	760	764	769	773	772	769	763	756	754	754	757	760	763	763	760	757	752	746	748	759	0	8 12	774	22 42	744	30
28	✓	✓		752	756	757	758	758	760	763	765	766	765	760	749	741	739	738	743	752	758	757	757	756	754	752	750	754	0	8 54	767	14 22	737	30
29				753	757	760	763	764	762	767	771	771	766	762	758	752	749	751	752	755	757	760	762	761	759	755	756	759	0	7 32	774	14 02	747	27
30				757	756	753	754	756	757	757	760	762	762	756	749	746	748	751	745	746	750	750	751	756	754	751	746	753	0	9 17	765	15 46	740	25
31				748	750	752	752	754	759	759	763	767	764	756	747	742	739	742	747	747	750	753	750	748	747	747	748	751	0	8 22	768	14 14	735	33
MEANS ALL DAYS				747	749	750	752	753	755	757	760	764	765	762	756	750	745	743	744	746	749	750	749	748	747	747	747	751						35
MEANS TEN DAYS ✲				749	750	751	752	752	755	758	762	766	767	763	757	750	743	743	746	751	756	758	757	755	753	751	751	754						31
MEANS FIVE DAYS † (G. M. T.)				751	753	756	757	758	759	762	764 766	767 768	766	763	756	750	745	744	749	754	759	759	759	757	756	753	751	756						
MEANS FIVE DAYS ‡ (G. M. T.)				741	741	744	747	748	751	752	755	765	767	766	759	752	748	744	741	736	733	736	733	730	733	737	741	746						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
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{} = INTERPOLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 337

HORIZONTAL INTENSITY

AUGUST 1944

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				751	754	756	757	756	755	754	757	758	759	762	768	765	761	753	745	742	747	740	729	751	746	746	748	752	0	11 36	771	19 50	727	44
2			✓	749	750	751	751	748	749	750	752	758	752	752	749	746	736	739	747	755	758	762	764	763	763	763	759	753	1	20 34	772	13 44	730	42
3			✓	762	759	758	752	744	742	739	741	735	738	700	672	692	708	672	678	670	683	676	667	688	713	717	717	713	1	1 18	772	16 56	646	126
4				716	719	724	724	728	733	730	729	731	730	729	730	730	727	732	731	732	737	737	732	726	729	727	729	729	0	18 04	740	0 35	714	26
5				729	732	735	735	737	738	740	743	746	745	746	743	743	744	744	743	737	735	740	740	737	737	738	740	739	0	10 52	748	0 52	728	20
6				738	743	742	740	741	749	748	754	758	760	757	748	754	754	743	735	726	729	738	736	740	737	737	737	744	0	9 39	763	16 57	721	42
7	✓			736	734	738	740	745	749	753	757	754	757	749	745	745	742	745	745	744	748	751	748	748	743	750	748	746	0	22 53	763	1 31	730	33
8				745	745	748	753	756	756	757	762	764	763	755	746	748	748	745	743	745	748	747	748	753	753	747	747	751	0	7 52	766	15 51	740	26
9				744	740	747	754	756	756	759	768	767	759	754	747	744	742	741	742	744	748	750	750	750	750	750	750	750	0	8 05	773	14 07	736	37
10				750	760	753	750	752	756	760	761	764	767	767	761	750	741	727	722	733	736	739	749	747	746	741	738	749	0	11 02	769	15 22	717	52
11				741	743	744	749	750	751	754	757	757	753	740	737	743	743	739	737	741	748	750	752	751	748	752	753	747	0	8 24	760	11 06	730	30
12				751	750	754	756	758	758	762	759	762	765	748	728	730	725	722	717	728	735	742	741	742	739	745	745	744	1	9 12	770	15 37	712	58
13	✓			745	748	751	753	754	756	758	760	763	764	769	770	758	747	736	728	727	736	738	742	742	743	745	746	749	0	11 00	772	16 18	722	50
14	✓			746	746	749	756	757	755	758	761	764	767	766	763	759	754	751	752	751	755	760	760	760	761	760	759	757	0	9 59	768	0 52	744	24
15				762	762	761	761	759	763	769	778	784	788	781	768	761	749	749	749	756	752	744	747	747	746	748	750	760	0	9 47	790	18 42	739	51
16				750	753	758	755	752	751	755	763	768	770	768	768	762	757	754	757	757	757	755	748	743	737	735	740	755	0	9 05	771	22 58	732	39
17	✓			746	751	752	755	757	760	759	764	769	769	760	756	749	745	743	738	743	749	754	753	752	751	753	754	753	0	9 06	774	15 09	736	38
18			✓	754	754	755	756	757	760	763	772	774	775	776	772	772	773	765	748	710	724	712	718	721	725	733	735	750	1	14 07	781	16 57	695	86
19				734	745	755	745	742	744	746	751	757	754	753	744	724	713	719	727	735	742	739	736	736	740	744	744	740	0	2 07	761	13 40	709	52
20	✓	✓		744	746	748	749	749	751	754	753	749	746	749	748	738	730	729	735	737	743	747	746	746	749	745	746	745	0	6 22	756	13 46	726	30
21	✓	✓		746	746	748	749	752	754	757	760	763	762	758	757	749	746	748	749	751	755	756	755	753	751	749	750	753	0	8 40	765	13 32	743	22
22	✓			750	750	754	759	759	759	759	767	771	773	775	769	756	750	749	747	748	746	746	742	739	746	748	748	755	0	10 39	776	20 22	736	40
23				748	750	750	752	754	756	762	765	766	762	771	777	772	754	743	740	734	727	724	721	723	734	735	736	748	0	11 12	780	20 22	717	63
24				737	734	738	740	744	747	750	755	761	761	764	764	760	752	752	755	746	737	726	718	713	702	710	722	741	0	11 07	766	21 42	694	72
25	✓	✓		727	730	733	738	741	743	744	755	760	759	758	753	744	740	739	742	745	747	745	745	745	744	744	742	744	0	8 38	761	0 04	726	35
26	✓	✓		739	739	741	742	745	747	750	753	756	759	759	754	744	739	737	739	745	753	756	754	753	753	753	751	748	0	10 37	760	14 16	735	25
27				753	750	751	756	762	762	763	773	772	774	772	763	752	732	727	734	743	750	752	751	748	749	749	752	754	0	7 45	777	13 38	723	54
28			✓	751	752	754	758	760	758	764	769	775	778	778	775	761	744	706	691	719	732	736	724	735	727	738	740	747	1	10 44	780	15 11	682	98
29	✓	✓		747	741	738	741	747	747	747	753	758	758	753	745	736	727	727	731	740	747	749	750	749	744	742	744	744	0	8 40	759	13 30	724	35
30				750	753	750	752	755	758	761	762	755	755	753	753	739	723	720	727	739	745	747	747	745	749	750	750	747	0	7 18	764	14 25	714	50
31			✓	753	755	761	764	761	759	760	764	761	750	738	727	725	736	738	728	727	747	743	736	742	744	747	753	747	1	3 07	769	16 15	711	58
MEANS ALL DAYS				745	746	748	750	751	752	754	759	761	760	757	752	747	741	737	736	737	742	742	740	742	742	743	744	747						47
MEANS TEN DAYS ✲				743	743	745	748	751	752	754	758	761	761	760	756	748	742	740	741	743	748	750	750	749	748	749	749	750						33
MEANS FIVE DAYS (G. M. T.) †				748	748	749	752	755	756	758	755 763	757 763	757	755	751	742	736	736	739	744	749	751	750	749	748	747	747	749						
MEANS FIVE DAYS (G. M. T.) ‡				744	746	745	743	743	744	743	745	761	759	749	739	739	739	724	718	716	729	726	722	730	734	740	741	738						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 338

HORIZONTAL INTENSITY

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1944 — SEPTEMBER 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				763	768	751	751	756	754	752	751	747	734	743	743	737	731	731	734	742	747	747	740	742	751	742	745	746	0	1 05	782	9 30	726	56
2			✓	748	751	754	754	754	757	760	758	746	751	754	743	735	713	696	707	721	732	731	731	723	724	728	733	738	1	6 57	762	14 09	687	75
3				741	748	754	754	745	743	738	749	750	746	746	748	744	740	737	726	734	743	740	746	749	749	748	746	744	0	1 49	760	15 18	720	40
4	✓			745	746	746	748	750	753	756	762	762	759	750	744	736	733	734	737	745	754	757	757	757	756	758	757	750	0	8 03	765	13 20	731	34
5	✓			757	754	753	759	762	765	768	762	762	766	766	760	748	735	738	744	746	749	750	748	748	751	751	752	754	0	6 37	769	13 42	732	37
6	✓			749	751	750	751	752	755	757	761	764	764	762	757	750	744	742	744	749	756	756	761	764	762	762	762	755	0	19 42	770	14 38	740	30
7				762	759	759	763	767	771	773	776	774	773	769	759	747	735	733	742	738	730	737	746	746	748	749	753	755	0	7 11	779	14 00	727	52
8				752	753	755	754	756	759	762	768	769	776	777	770	765	759	754	752	747	743	742	728	722	719	729	736	752	0	9 53	779	21 30	715	64
9	✓	✓		743	748	752	753	761	764	759	755	750	753	756	749	728	727	738	746	751	756	753	750	752	753	753	752	750	0	5 20	767	13 10	721	46
10				752	753	755	759	761	761	763	767	772	772	764	755	747	748	747	743	747	748	749	750	751	751	751	760	755	0	9 16	775	15 23	742	33
11				759	762	763	765	775	768	770	766	766	764	760	756	753	747	740	744	752	756	757	756	755	755	754	753	758	0	4 39	784	14 52	736	48
12				753	759	762	763	762	759	762	762	771	771	762	752	747	746	743	750	748	751	751	743	746	752	752	754	755	0	8 57	774	20 10	738	36
13	✓			754	755	761	760	755	757	757	759	759	758	760	761	759	753	752	753	756	763	765	764	760	760	761	762	758	0	19 07	768	13 55	751	17
14				771	774	770	768	770	765	761	765	767	768	767	765	753	751	743	744	751	760	760	757	755	754	766	757	761	0	0 56	780	14 30	740	40
15	✓	✓		749	757	763	759	762	765	768	770	774	782	784	778	767	759	750	751	751	751	757	758	755	757	760	761	762	0	9 53	786	14 50	745	41
16	✓	✓		762	762	763	763	764	767	769	770	768	766	762	751	737	737	736	740	748	751	754	754	753	757	754	756	756	0	7 29	772	14 23	733	39
17	✓	✓		755	756	757	758	760	763	763	768	770	771	768	765	754	752	755	756	757	758	757	757	755	755	755	763	760	0	9 05	772	13 59	751	21
18				766	763	766	767	769	769	772	779	777	765	763	767	762	753	744	737	736	737	743	747	754	748	750	747	758	0	7 47	781	17 31	735	46
19	✓	✓		747	749	750	754	757	754	758	763	762	759	756	754	749	746	748	751	757	757	757	756	757	756	757	757	755	0	7 49	765	13 22	745	20
20				756	756	757	759	761	762	765	768	774	772	769	769	758	755	755	756	760	768	769	767	761	756	756	761	762	1	8 55	775	14 55	747	28
21			✓	760	766	762	772	781	774	769	780	792	788	746	754	752	746	735	728	738	733	725	727	732	737	738	739	753	1	9 02	802	19 13	722	80
22				740	735	740	754	757	756	758	758	758	758	758	744	738	738	740	742	746	752	755	754	755	753	754	758	750	0	8 19	764	13 01	736	28
23				755	752	752	756	758	758	760	771	776	776	769	753	747	742	741	742	744	745	749	753	755	756	757	758	755	0	9 04	779	14 41	725	54
24			✓	759	763	770	772	765	775	752	759	748	747	757	746	734	727	724	725	718	729	740	744	743	751	760	740	748	1	5 33	780	16 35	697	83
25				739	740	741	748	747	744	743	749	757	749	744	737	722	724	730	736	747	749	750	750	753	749	753	752	744	0	22 37	769	12 38	701	68
26				750	751	754	762	759	750	753	755	740	739	751	749	746	745	733	738	748	752	754	749	749	748	749	757	749	0	23 07	775	14 22	731	44
27			✓	754	748	749	750	751	753	757	760	762	757	748	744	733	731	733	737	733	749	752	744	745	749	751	752	748	0	8 13	765	16 30	725	40
28	✓			752	765	752	744	746	741	744	749	751	753	747	744	751	744	745	745	737	745	750	750	746	749	755	751	748	0	1 47	780	16 34	735	45
29				752	750	755	752	752	751	752	751	753	750	747	741	732	730	738	747	752	748	744	747	750	752	750	752	748	0	2 44	761	12 40	726	35
30			✓	755	757	756	756	758	763	767	767	764	761	760	758	755	758	760	758	755	761	768	764	752	751	724	750	757	1	23 04	779	22 47	701	78
31																																		
MEANS ALL DAYS				753	755	756	758	759	759	760	763	763	762	759	754	746	742	740	742	745	749	751	750	750	750	751	753	753						45
MEANS TEN DAYS ✲				751	754	755	755	757	758	760	762	762	763	761	756	748	743	744	747	750	754	756	756	755	756	757	757	755						33
MEANS FIVE DAYS † (G. M. T.)				758	758	760	761	763	764	766	765 770	765 772	766	765	759	747	744	745	749	753	755	756	755	754	756	756	758	758						
MEANS FIVE DAYS ‡ (G. M. T.)				741	745	745	750	748	745	746	748	762	761	753	749	742	735	730	731	733	741	743	742	739	742	740	743	744						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 339

HORIZONTAL INTENSITY

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1944 — OCTOBER 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H	MAXIMUM M		MINIMUM H	MINIMUM M		RANGE
1			✓	731	736	739	750	746	741	745	736	750	756	748	742	735	730	733	737	744	748	753	740	758	748	744	748	743	1	20	08	766	0	43	725	41
2				759	761	748	745	745	742	750	751	748	747	747	747	742	742	745	750	753	753	751	751	756	750	748	748	749	0	0	35	770	5	17	736	34
3				759	760	760	761	759	757	754	760	760	758	757	756	735	729	743	758	745	754	754	749	743	740	740	752	752	0	0	34	768	13	33	726	42
4				757	754	754	756	762	757	752	749	750	749	746	747	746	746	749	749	751	753	754	755	756	758	755	752	752	0	4	57	764	13	22	744	20
5	✓	✓		756	757	758	761	758	760	761	761	756	752	744	744	747	744	747	753	756	758	755	755	756	758	754	760	755	0	3	47	763	10	43	738	25
6				761	762	761	761	762	764	765	767	767	767	771	771	762	759	753	759	761	762	762	761	761	764	765	768	763	0	10	55	774	14	12	750	24
7	✓			773	782	780	777	754	760	766	782	781	774	761	752	745	743	746	750	752	754	755	755	755	757	757	759	761	0	2	44	795	13	47	739	56
8	✓	✓		758	756	754	759	759	760	762	765	763	757	747	744	738	737	743	749	752	757	760	761	760	757	759	760	755	0	7	03	766	13	22	735	31
9	✓	✓		761	762	762	763	761	759	761	761	751	751	754	754	748	742	741	750	756	756	759	763	764	765	763	763	757	0	21	03	766	14	07	739	27
10				761	760	763	763	763	763	767	768	766	767	771	769	764	757	756	754	757	759	758	757	753	757	760	762	761	0	10	52	772	20	10	752	20
11			✓	760	761	763	770	772	777	779	776	756	746	742	740	742	744	744	749	754	760	768	766	758	746	740	703	755	1	7	17	784	23	45	680	104
12				699	714	721	729	729	724	730	734	730	730	730	730	729	729	735	738	739	740	740	737	740	744	742	742	731	0	23	58	752	0	18	694	58
13				754	754	750	748	745	746	748	751	748	748	751	752	753	753	752	751	754	757	757	757	755	748	743	762	752	0	23	22	778	22	47	736	42
14			✓	749	751	755	756	754	749	752	751	753	754	752	749	749	749	749	754	752	744	730	730	724	728	738	743	746	1	23	59	770	20	44	718	52
15			✓	742	745	758	751	756	756	757	736	725	715	713	689	690	702	703	713	719	709	704	710	717	728	732	735	725	1	0	01	770	12	07	672	98
16				747	743	743	737	740	742	731	745	739	732	723	712	705	704	704	723	740	742	746	748	749	753	758	751	736	0	21	59	764	14	24	700	64
17				747	753	754	751	746	744	744	742	736	733	731	731	733	739	742	742	745	750	753	750	750	750	750	751	744	0	1	41	764	10	44	728	36
18				755	756	758	758	761	756	758	763	755	751	750	753	753	746	736	742	745	747	747	750	750	750	750	750	752	0	7	31	764	14	34	731	33
19	✓	✓		751	755	756	758	759	761	762	762	754	751	748	745	744	749	751	755	753	747	754	755	754	752	754	754	754	0	5	44	764	17	31	741	23
20	✓			755	755	757	759	760	761	766	769	767	764	761	759	756	756	761	764	764	765	766	766	763	765	765	762	762	0	7	22	770	0	41	754	16
21	✓	✓		763	760	759	756	757	762	773	778	781	773	767	764	755	755	757	759	754	752	757	760	759	757	758	759	761	0	8	01	784	17	16	749	35
22	✓			759	757	762	765	759	762	773	780	777	767	754	754	751	749	749	749	755	762	764	766	764	768	765	763	761	0	8	09	782	15	04	746	36
23				768	763	761	764	766	767	769	769	766	761	758	758	761	756	764	776	777	771	771	769	767	768	769	783	767	1	23	32	790	13	31	755	35
24			✓	755	756	765	749	752	759	760	757	754	737	732	733	740	740	745	761	760	757	752	749	754	754	755	758	751	0	1	52	784	10	43	729	55
25				765	765	765	771	759	756	759	754	745	744	747	749	747	746	748	749	753	753	753	754	756	758	758	760	755	0	2	54	776	9	41	742	34
26				760	760	761	768	771	769	775	772	766	760	752	752	754	752	743	747	748	750	758	755	755	758	758	758	758	0	6	59	782	14	10	732	50
27				759	761	767	765	764	764	767	768	770	773	766	757	756	754	756	762	763	762	762	761	761	763	760	760	763	0	9	05	776	13	13	753	23
28				773	766	763	762	760	763	767	772	775	774	771	770	764	753	750	753	761	759	751	748	748	754	764	757	762	0	8	22	777	19	55	746	31
29	✓			758	760	760	763	766	763	769	769	770	773	775	773	768	768	767	765	762	761	761	764	767	767	769	767	766	0	10	05	777	0	30	755	22
30	✓			768	770	773	774	768	768	768	768	770	774	772	759	758	764	763	764	765	763	763	763	763	763	763	763	766	0	3	18	776	11	30	755	21
31				763	766	768	769	769	772	775	773	767	752	743	737	734	733	732	742	737	741	752	753	755	759	765	768	755	0	6	12	776	14	06	721	55
MEANS ALL DAYS				756	757	758	759	757	758	760	761	758	755	751	748	745	744	745	751	752	753	754	753	754	754	755	756	754								40
MEANS TEN DAYS ✲				760	761	762	764	760	762	766	770	767	764	758	755	751	751	752	756	757	758	759	761	760	761	761	761	760								29
MEANS FIVE DAYS † (G. M. T.)				759	759	761	762	761	762	766	765 769	761 766	757	752	750	746	745	748	753	754	754	757	759	759	758	758	759	757								
MEANS FIVE DAYS ‡ (G. M. T.)				742	746	747	747	746	744	745	744	748	742	737	731	731	733	735	743	746	744	741	739	742	741	742	737	741								

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
□ = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
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△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 340

HORIZONTAL INTENSITY

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1944 — NOVEMBER 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			759	772	767	762	758	761	762	761	757	754	749	743	741	743	749	755	761	762	763	763	760	763	763	764	758	0	1 39	775	12 15	740	35
2				763	764	766	769	769	770	770	770	768	765	759	750	748	749	754	758	759	759	761	764	765	765	766	765	762	0	6 00	771	12 02	745	26
3				766	766	770	772	772	772	773	775	771	766	765	763	764	764	765	766	768	766	768	768	769	761	761	758	767	0	7 06	776	23 59	752	24
4			✓	761	758	758	761	763	767	771	772	767	764	762	756	753	760	759	753	750	750	746	743	749	742	751	755	757	0	7 27	773	21 52	738	35
5			✓	762	760	757	757	763	767	769	772	776	778	763	739	748	752	740	734	735	739	747	744	755	750	745	764	755	1	9 17	780	16 44	729	51
6			✓	760	772	758	755	747	751	769	760	751	748	738	728	722	716	718	721	721	731	737	737	736	745	749	749	742	0	1 31	778	16 21	711	67
7				750	754	756	759	758	758	761	764	763	762	758	755	756	763	768	769	768	763	758	759	758	761	761	758	760	0	15 13	772	0 10	749	23
8				754	753	755	755	753	756	760	759	752	744	741	740	739	739	747	747	742	739	733	733	747	753	755	758	748	0	5 57	761	19 30	731	30
9				761	762	763	763	766	769	770	772	769	770	762	756	756	753	757	759	746	747	757	761	759	760	761	765	761	0	8 00	773	16 54	739	34
10			✓	767	763	766	763	765	766	770	768	764	760	755	755	751	755	764	778	781	784	778	777	760	747	748	762	764	1	18 46	791	22 09	738	53
11				791	780	753	757	760	763	765	766	766	764	758	750	748	750	750	753	755	757	758	759	759	759	764	763	760	0	0 46	805	2 06	736	69
12	✓			765	773	769	766	765	767	767	762	763	765	764	760	754	752	757	764	766	767	767	767	768	767	767	767	765	0	1 35	776	13 54	750	26
13	✓	✓		767	768	769	769	770	774	775	774	765	761	756	757	759	757	756	762	767	768	773	773	773	773	773	773	767	0	5 55	776	14 30	755	21
14	✓			773	773	774	774	774	777	778	778	771	771	768	762	762	765	771	773	774	773	773	773	771	770	769	764	771	0	6 02	779	12 18	760	19
15	✓	✓		763	766	767	766	769	773	776	774	766	763	756	754	754	758	760	765	768	767	772	774	772	771	771	769	766	0	7 02	778	11 19	751	27
16				766	767	766	768	770	771	773	771	768	765	760	759	764	768	770	771	768	765	763	760	760	761	763	766	766	0	5 52	774	19 52	755	19
17	✓			771	772	773	774	775	775	775	775	777	780	777	774	777	778	780	779	774	774	772	773	776	776	776	775	775	0	9 19	782	0 24	769	13
18				777	777	776	775	775	777	776	773	770	775	779	777	776	775	779	777	772	772	769	766	769	766	771	765	774	0	14 11	782	23 59	762	20
19				765	768	774	777	780	782	790	785	777	765	757	748	752	752	756	759	762	767	766	773	775	770	772	775	769	0	6 43	793	11 56	745	48
20			✓	773	770	769	767	766	767	772	772	772	769	761	750	748	752	756	753	748	744	756	753	742	738	735	747	758	1	0 37	776	22 27	726	50
21	✓			747	741	739	740	742	750	746	749	744	747	754	749	745	735	734	735	741	748	751	752	752	754	754	755	746	0	23 20	756	14 58	731	25
22				756	754	755	756	757	759	762	765	766	765	760	752	749	746	746	747	752	754	758	759	762	764	765	766	757	0	23 59	771	13 59	743	28
23				774	766	765	766	764	769	772	772	764	764	764	761	753	751	749	749	755	755	756	756	761	757	761	761	761	0	0 20	777	15 12	745	32
24	✓	✓		761	761	769	767	765	770	772	773	766	764	758	759	765	767	770	770	768	767	767	767	767	765	765	765	766	0	7 03	775	10 51	755	20
25	✓	✓		766	765	766	767	769	770	770	768	767	767	767	768	770	771	772	773	773	772	774	772	772	774	774	773	770	0	21 49	778	1 10	764	14
26				771	772	771	771	775	778	779	775	764	753	752	763	767	764	758	761	756	759	761	761	763	763	764	759	765	0	5 30	780	10 30	750	30
27	✓	✓		761	763	765	767	766	769	772	773	765	762	765	770	766	764	751	755	751	754	751	760	762	765	768	765	763	0	7 12	777	14 28	748	29
28				766	765	766	768	773	777	781	779	774	768	760	758	761	765	766	766	763	760	760	762	763	763	763	763	766	0	6 51	782	11 14	757	25
29				763	765	766	770	773	785	788	785	782	776	768	765	763	769	770	771	773	774	774	773	771	771	772	770	772	0	6 40	790	12 06	760	30
30				771	771	773	775	777	781	785	782	774	774	774	775	771	770	770	767	773	774	772	769	761	757	758	762	772	0	6 54	786	21 57	752	34
31																																		
MEANS ALL DAYS				765	765	765	765	766	769	772	771	767	764	760	757	756	757	758	760	760	760	761	762	762	761	762	763	763						32
MEANS TEN DAYS ✲				763	765	766	765	765	769	769	769	764	763	761	760	759	759	760	763	764	765	766	767	767	768	768	767	765						23
MEANS FIVE DAYS † (G. M. T.)				768	768	769	770	772	775	776	772 774	766 769	763	760	762	763	763	762	765	765	766	767	769	769	770	770	769	768						
MEANS FIVE DAYS ‡ (G. M. T.)				762	761	753	754	754	758	762	762	766	764	756	746	744	747	747	748	747	750	753	751	748	744	746	755	753						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
[ ] = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△ = NO RECORD

TABLE 341

HORIZONTAL INTENSITY

24000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1944

DECEMBER 1944

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				774	768	771	771	770	768	771	774	777	776	771	771	770	769	768	768	778	779	778	775	763	756	759	761	770	0	18 48	786	21 37	752	34
2				761	760	763	766	771	769	772	770	761	762	767	770	764	752	750	756	751	745	731	740	754	762	764	766	759	0	6 08	774	18 33	723	51
3				774	766	760	779	777	763	763	755	757	753	740	742	743	737	730	744	753	755	759	760	768	774	767	761	758	0	4 12	785	14 28	725	60
4	✓			762	765	766	765	765	768	768	773	769	766	755	745	742	744	753	755	758	763	762	760	762	763	765	766	761	0	7 27	774	13 23	739	35
5				766	764	764	767	769	770	773	777	778	778	769	757	749	748	750	756	758	751	751	752	751	751	751	756	761	0	9 15	781	13 01	745	36
6	✓			763	767	769	770	768	770	770	773	771	773	778	779	768	757	752	754	762	754	757	760	758	760	760	762	765	0	11 13	782	14 43	750	32
7	✓	✓		757	759	760	762	763	767	770	773	773	773	768	764	763	762	762	762	763	763	763	765	765	767	768	768	765	0	7 21	774	1 05	756	18
8	✓			768	768	770	768	768	770	776	781	782	773	771	772	773	771	772	769	772	778	780	778	773	768	764	764	772	0	8 17	783	23 26	760	23
9				773	772	773	775	780	783	780	785	791	804	801	794	783	771	766	771	778	777	772	771	769	771	771	771	778	0	9 23	808	14 30	763	45
10	✓	✓		776	771	771	773	774	781	783	777	771	768	761	766	773	773	773	774	771	769	769	769	772	774	774	774	772	0	6 07	784	10 44	760	24
11	✓	✓		775	777	776	773	773	778	779	775	778	785	788	789	789	787	784	780	770	770	773	771	767	768	771	770	777	0	10 57	792	17 20	766	26
12	✓			771	774	774	775	776	780	786	783	774	768	769	781	793	793	787	781	782	785	780	781	781	781	781	783	780	0	13 00	797	9 02	767	30
13			✓	784	783	783	782	784	786	788	790	792	789	789	785	780	770	761	767	778	784	780	783	788	783	780	786	782	1	23 59	828	15 08	757	71
14				797	766	762	753	750	755	756	766	772	766	759	743	734	735	735	734	734	742	741	749	754	746	746	744	752	0	0 07	822	16 15	726	96
15				743	744	747	747	751	754	758	758	757	756	754	758	761	755	749	745	750	758	761	757	759	757	759	758	754	1	17 44	765	0 27	741	24
16			✓	759	759	764	784	781	778	774	797	813	805	789	784	795	808	788	791	782	789	810	796	793	767	748	621	778	2	18 57	832	23 57	572	260
17			✓	648	628	653	663	660	663	676	681	685	703	699	697	690	664	679	673	665	660	673	672	698	708	719	729	679	2	22 53	772	0 09	572	200
18			✓	706	717	704	693	706	709	716	729	723	719	711	699	706	717	716	701	704	709	710	719	721	723	724	727	713	1	1 14	756	1 50	679	77
19				729	732	725	726	722	726	729	738	751	761	750	751	752	735	724	721	716	720	724	729	728	728	728	728	732	0	9 33	762	17 17	714	48
20				735	735	731	729	730	732	740	742	743	747	737	719	711	711	705	726	739	742	736	735	738	737	740	740	732	0	9 22	750	14 21	697	53
21				743	743	744	746	748	750	759	758	757	768	758	739	732	732	734	740	743	745	740	743	743	743	742	745	746	0	9 12	770	12 05	729	41
22				744	754	744	744	742	742	746	750	754	752	757	763	763	761	753	750	752	754	757	755	755	748	753	750	752	0	11 50	768	4 21	740	28
23	✓			755	755	753	755	759	752	753	764	772	773	765	751	742	739	745	753	756	750	753	748	749	751	751	751	754	0	9 09	775	13 25	736	39
24	✓	✓		754	757	756	757	754	753	755	762	770	776	773	759	748	753	766	775	772	764	758	756	756	752	751	748	759	0	9 32	778	23 51	745	33
25	✓	✓		751	753	756	752	751	752	755	757	762	764	764	759	759	758	753	751	749	748	753	753	754	756	756	756	755	0	9 54	767	16 50	746	21
26				757	759	756	756	756	756	756	762	769	773	778	775	770	762	762	760	758	756	767	762	759	764	759	759	762	1	18 17	782	22 59	753	29
27			✓	775	780	773	774	766	769	777	777	777	771	755	758	769	769	761	756	755	751	745	726	713	712	698	702	755	1	1 13	797	22 39	692	105
28				757	718	716	728	737	731	741	742	723	718	708	706	706	716	729	738	742	741	740	745	751	751	751	749	733	0	0 15	782	12 00	702	80
29				745	741	740	740	745	745	744	738	732	730	730	745	762	762	754	746	750	753	748	750	746	745	745	748	745	0	13 03	766	9 55	727	39
30				753	755	751	750	761	763	761	742	731	718	717	731	752	752	758	756	749	745	741	744	742	740	748	760	747	0	6 12	766	9 58	710	56
31				755	755	758	753	753	755	756	742	727	715	717	725	739	751	755	757	755	754	751	751	754	753	752	746	747	0	5 54	766	9 52	713	53
MEANS ALL DAYS				755	753	753	754	755	756	759	761	761	761	756	754	754	752	751	752	753	753	754	753	754	754	753	750	755						57
MEANS TEN DAYS ✻				763	765	765	765	765	767	770	772	772	772	769	766	765	764	765	765	766	764	765	764	764	764	764	764	766						28
MEANS FIVE DAYS † (G. M. T.)				764	766	766	765	765	767	770	769 772	771 773	773	771	767	766	767	768	768	765	763	763	763	763	763	764	763	766						
MEANS FIVE DAYS ‡ (G. M. T.)				727	712	712	713	715	717	724	731	758	757	749	745	748	746	741	738	737	739	744	739	743	739	734	713	734						

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIDNAL DUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[] = APPROXIMATE. MAGNETIC STORM
() = INTERPDLATED
[] = ESTIMATED
▽ = LAMP OUT
△ = RECDRD OFF SHEET
□ = CLOCK STOPPED
⊼ = ND RECORD

TABLE 342

VERTICAL INTENSITY

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JANUARY 1944

JANUARY 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H	MAXIMUM M	MINIMUM H	MINIMUM M	RANGE
1				695	693	693	682	672	677	674	664	677	675	666	655	644	637	639	649	667	678	682	680	682	688	720	707	675	1	22	23	13	42	96
2				700	681	673	675	657	675	676	673	673	669	665	662	658	646	640	647	658	666	672	674	678	678	682	688	669	0	0	05	14	16	76
3	✓	✓		681	678	677	674	672	677	678	678	676	672	669	663	658	654	657	664	672	678	678	679	679	685	682	676	673	0	21	53	13	30	39
4	✓	✓		676	676	676	678	680	683	685	686	686	674	663	661	655	646	642	649	661	666	670	670	671	674	678	682	670	0	8	18	14	24	46
5				679	678	678	677	674	676	671	668	663	659	657	662	657	660	666	677	683	686	680	676	677	677	678	688	673	0	23	59	12	38	44
6	✓	✓		693	679	671	678	678	679	681	681	675	666	657	657	662	657	657	662	666	670	673	676	680	679	681	675	672	0	0	01	13	50	42
7	✓	✓		677	674	677	678	674	682	684	684	680	676	672	665	663	669	679	680	678	675	673	676	678	677	678	676	676	0	7	20	12	26	27
8	✓			676	676	675	674	677	662	685	685	681	673	657	643	630	629	633	645	661	673	679	679	683	685	682	680	668	0	20	48	13	07	59
9				678	677	674	673	675	681	685	684	679	673	667	672	673	674	675	676	676	675	675	677	680	679	680	683	677	0	7	25	10	04	23
10				683	676	673	673	675	679	681	679	686	683	671	650	629	623	628	642	652	661	669	676	684	686	683	682	668	0	8	33	13	20	69
11			✓	678	680	676	675	672	678	672	677	693	678	650	625	625	641	650	664	679	691	700	679	678	679	684	687	671	1	18	02	12	10	95
12				690	667	673	674	667	669	667	669	668	668	664	654	647	648	647	655	669	673	673	689	685	689	683	690	670	1	23	46	13	12	62
13			✓	689	675	669	670	673	676	682	684	683	680	678	672	665	659	655	655	670	679	675	674	682	691	684	687	675	1	21	40	15	11	59
14			✓	687	687	679	668	675	671	668	668	671	672	671	662	656	658	649	647	655	672	689	690	693	686	698	682	673	1	20	55	14	58	66
15			✓	687	677	676	674	671	668	671	674	677	679	675	669	668	666	666	664	667	671	675	679	687	684	688	689	675	1	22	53	14	45	37
16			✓	690	684	679	660	672	666	648	658	669	677	677	677	671	655	644	647	654	671	683	683	690	688	681	699	672	1	18	00	6	46	64
17				683	680	681	676	675	675	675	681	681	684	682	677	671	667	661	660	664	664	679	687	691	684	682	688	677	1	22	54	15	08	39
18				684	671	678	670	669	673	674	672	669	672	673	670	667	666	662	663	670	679	687	682	686	683	685	676	674	0	20	30	15	00	34
19				683	690	686	673	676	686	686	686	693	694	684	668	653	651	656	660	669	669	672	676	679	682	685	685	677	0	9	29	12	59	50
20				683	687	682	676	679	679	677	674	674	677	678	675	668	650	640	649	659	666	678	682	682	688	685	682	674	0	23	11	14	30	53
21	✓			684	684	672	677	678	672	672	688	686	679	673	669	664	661	660	660	664	673	679	681	682	683	686	683	675	0	22	42	14	55	34
22	✓			679	679	680	680	683	680	683	683	676	665	659	648	633	628	629	645	668	677	679	678	679	681	683	683	669	0	21	25	13	10	59
23				682	682	682	679	676	682	686	688	685	682	673	668	664	654	654	662	673	680	686	682	682	682	681	679	677	0	7	23	14	06	39
24				678	677	677	678	682	685	685	685	673	656	644	641	644	650	650	656	666	674	678	679	679	679	682	685	670	0	23	16	11	15	50
25	✓			684	675	672	672	674	678	686	687	676	665	648	643	636	639	648	654	666	672	677	679	680	688	690	685	670	0	22	05	12	45	63
26				678	673	670	673	676	675	684	691	685	673	650	629	622	625	635	648	662	669	673	672	673	669	672	673	665	0	7	47	12	30	71
27				682	682	679	680	685	679	671	683	688	685	673	663	647	638	643	652	666	685	683	682	692	680	681	680	674	0	20	33	13	00	68
28				677	678	672	670	675	677	677	680	688	678	657	641	633	642	649	661	668	669	675	677	678	681	682	680	669	0	8	30	12	13	61
29	✓			677	674	673	670	665	672	678	681	684	680	670	665	657	651	649	658	670	679	681	680	682	679	690	689	673	0	22	46	14	27	47
30	✓	✓		682	679	675	672	669	672	676	679	679	676	666	658	650	647	645	648	653	660	670	674	677	681	681	680	669	0	0	01	14	25	43
31				681	678	674	671	671	669	677	685	683	673	662	652	649	647	653	660	669	672	673	673	677	681	684	690	671	0	23	58	13	05	50
MEANS ALL DAYS				683	679	677	674	674	677	677	679	679	675	666	659	652	650	650	657	666	673	678	679	681	682	684	684	672						54
MEANS TEN DAYS ✲				681	677	675	675	675	678	681	683	680	673	663	657	651	648	650	656	666	672	676	677	679	681	683	681	672						46
MEANS FIVE DAYS † (G. M. T.)				678	676	676	676	675	678	680	682 682	679 679	673	665	661	658	655	656	661	666	670	673	675	677	679	680	678	672						
MEANS FIVE DAYS ‡ (G. M. T.)				687	679	678	670	672	670	666	670	679	677	670	661	657	656	653	655	665	677	684	681	686	686	687	689	673						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 343

VERTICAL INTENSITY

FEBRUARY 1944 — FEBRUARY 1944

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			697	689	682	671	679	682	676	678	672	664	651	648	651	645	644	651	660	667	672	675	678	680	682	682	670	0	0 52	700	13 40	642	58
2				681	681	680	672	673	675	677	675	670	670	670	667	664	655	648	655	670	679	679	680	679	680	679	681	672	0	0 35	683	14 17	646	37
3	✓	✓		680	679	677	676	675	673	678	683	676	668	662	662	662	660	659	661	660	662	671	674	672	675	677	678	671	0	7 30	684	13 52	658	26
4				678	681	679	678	675	678	681	683	678	678	675	666	658	657	660	663	669	669	671	672	678	680	683	679	674	0	22 33	691	12 45	655	36
5				683	684	679	674	675	678	681	680	670	666	657	651	653	654	655	659	665	666	668	672	675	672	672	674	669	0	1 49	687	11 30	650	37
6	✓			674	674	674	677	680	680	680	676	667	664	657	649	652	649	652	661	667	667	667	670	672	673	673	675	668	0	6 10	683	13 38	648	35
7			✓	673	671	670	670	671	673	679	675	669	660	648	648	651	644	644	653	653	665	702	693	727	720	718	693	674	2	20 56	786	13 50	639	147
8			✓	674	657	675	679	673	668	682	677	665	650	647	655	658	664	662	676	678	680	680	683	686	684	690	688	672	1	21 05	703	9 58	640	63
9			✓	689	674	668	668	662	673	691	695	692	681	667	654	645	637	643	658	673	689	692	694	697	701	701	682	676	1	21 21	722	13 40	636	86
10				679	681	672	663	669	675	683	689	687	678	660	656	658	653	662	671	677	682	702	687	687	686	683	683	676	1	18 20	723	13 47	649	74
11				677	677	665	667	677	682	687	693	692	677	652	640	642	640	643	653	678	692	693	691	696	689	686	683	674	1	17 39	704	12 56	637	67
12				680	678	674	673	676	680	686	692	696	680	661	651	646	646	655	672	683	681	680	680	689	691	694	688	676	0	21 15	705	13 02	643	62
13				679	674	672	669	671	680	686	692	697	694	678	649	628	626	635	655	676	686	685	682	686	689	682	685	673	0	8 48	700	13 23	625	75
14			✓	674	678	674	671	668	673	677	671	698	689	673	642	625	631	639	666	688	719	714	704	705	712	695	691	678	1	17 53	734	12 42	621	113
15			✓	685	682	682	678	673	682	688	691	691	695	693	681	671	664	654	656	663	678	688	695	700	696	689	683	682	1	20 28	713	14 44	650	63
16				688	682	672	678	672	678	681	681	687	686	683	673	662	657	660	671	677	684	690	684	683	684	687	680	678	0	18 35	693	13 05	655	38
17				682	684	683	683	680	680	684	686	680	671	662	658	651	649	650	653	663	673	678	678	680	687	687	684	674	0	22 12	690	13 09	648	42
18	✓	✓		681	682	681	680	678	675	680	684	684	683	675	669	664	655	650	653	662	670	679	680	679	675	675	675	674	0	8 29	685	14 17	649	36
19	✓			676	676	676	677	677	678	681	684	683	676	668	663	654	654	654	655	661	671	677	680	682	680	678	677	672	0	8 07	686	12 50	652	34
20				677	677	677	677	676	677	680	684	686	679	660	638	628	635	644	653	663	668	681	685	693	716	704	682	672	1	21 11	737	12 20	626	111
21				676	682	676	672	677	682	686	689	688	685	674	655	646	645	655	673	686	691	689	682	680	682	680	684	676	0	17 45	694	13 00	642	52
22				676	674	672	673	672	676	684	693	699	688	655	635	631	638	653	663	674	678	678	678	678	678	679	677	671	0	8 42	701	12 25	629	72
23	✓			674	672	672	672	672	675	681	689	691	690	681	665	644	636	644	657	666	671	675	676	683	680	676	675	672	0	9 19	693	13 05	635	58
24	✓	✓		672	671	670	668	669	671	671	680	688	686	671	657	641	631	628	634	651	666	672	674	676	677	676	673	666	0	8 48	690	14 34	627	63
25	✓	✓		670	670	667	664	664	669	673	685	689	685	667	642	630	627	633	650	666	673	673	673	673	675	675	674	665	0	8 59	691	13 12	626	65
26	✓			672	670	667	666	664	667	674	683	692	694	679	645	612	602	617	644	661	669	672	673	673	672	672	672	663	0	9 05	696	13 34	599	97
27	✓	✓		670	669	667	665	663	667	673	688	696	692	676	648	621	609	620	636	652	664	667	670	675	678	676	677	663	0	8 52	698	13 20	608	90
28				674	670	667	665	664	666	671	683	690	689	679	660	639	621	617	628	646	660	666	669	672	673	675	674	663	0	8 06	692	14 14	616	76
29				670	669	669	659	660	663	667	675	683	682	672	652	627	621	626	641	654	669	672	677	680	680	687	681	664	0	22 27	697	14 04	618	79
30																																		
31																																		
MEANS ALL DAYS				678	676	674	672	672	675	680	684	685	679	667	654	645	642	645	656	667	675	680	680	684	685	684	680	672						65
MEANS TEN DAYS ✲				677	675	673	672	672	674	677	683	684	680	669	655	643	637	640	650	661	668	672	674	676	676	676	676	668						56
MEANS FIVE DAYS † (G. M. T.)				674	673	671	670	669	672	676	684 684	687 686	683	670	656	644	636	638	647	658	667	672	674	675	676	676	675	668						
MEANS FIVE DAYS ‡ (G. M. T.)				683	675	674	673	670	675	685	687	683	675	666	656	650	648	648	662	671	686	695	694	703	703	699	687	677						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

[ ] = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊠ = NO RECORD

TABLE 344

VERTICAL INTENSITY

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

MARCH 1944 MARCH 1944

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓	✓		677	677	671	668	665	665	671	680	681	681	669	649	634	637	652	664	667	671	670	670	670	671	673	674	667	0	8 35	684	12 40	631	53
2	✓			675	674	673	671	668	669	673	677	679	672	659	636	626	634	646	654	662	668	674	677	677	682	677	675	666	0	21 20	689	12 15	624	65
3	✓	✓		671	673	673	670	660	670	673	677	676	671	655	648	641	643	647	655	661	665	666	669	667	668	668	670	664	0	7 36	679	12 34	640	39
4				670	671	671	671	670	668	672	678	678	666	642	630	627	635	643	657	673	700	679	685	703	685	682	682	668	1	20 13	715	11 56	624	91
5				669	676	678	673	673	677	676	678	677	663	646	641	645	649	654	663	673	678	675	674	674	674	682	677	669	0	22 43	691	11 13	640	51
6				678	678	670	670	672	674	679	680	678	661	634	632	641	647	656	663	672	681	680	688	683	679	681	672	669	1	19 13	705	11 10	528	77
7			✓	674	669	661	660	668	676	680	684	680	667	644	628	623	629	648	658	675	673	684	682	690	686	684	676	667	1	20 04	706	12 39	620	86
8				679	669	664	669	672	675	681	684	681	674	659	644	634	635	640	650	661	667	677	676	694	681	675	670	667	0	20 25	705	12 42	632	73
9				672	674	666	660	667	671	675	681	678	660	643	636	634	643	646	655	664	673	674	700	686	680	678	667	666	1	19 33	713	12 21	631	82
10			✓	666	671	664	660	666	670	676	680	674	667	649	636	631	641	652	670	683	689	683	694	692	679	691	671	669	1	22 42	704	12 11	627	77
11				670	655	652	665	673	670	670	683	688	680	664	646	635	636	644	652	663	680	683	679	678	678	680	676	667	0	17 53	698	12 25	632	66
12				674	673	667	660	669	671	677	688	691	689	668	643	632	636	644	657	667	677	677	681	680	680	689	697	670	1	23 16	711	12 23	629	82
13				671	670	669	665	662	669	672	680	684	677	664	650	644	647	652	656	668	676	678	679	687	685	677	679	669	0	20 43	703	13 04	643	60
14				673	671	671	670	668	671	676	682	686	676	658	640	640	644	656	663	663	680	679	681	680	679	676	677	669	0	8 51	692	12 06	638	54
15	✓	✓		676	676	671	665	671	673	678	684	686	678	666	653	645	644	649	658	666	672	675	677	679	680	680	680	670	0	8 13	688	13 35	642	46
16	✓			677	676	674	671	669	668	672	680	688	679	661	650	649	651	658	663	669	673	675	682	681	678	678	681	671	0	8 29	690	12 00	648	42
17	✓	✓		679	679	675	672	670	671	674	681	685	681	663	651	648	653	660	666	669	672	673	675	675	677	676	677	671	0	8 50	688	12 00	647	41
18				676	675	673	673	673	674	676	681	678	670	657	647	643	644	647	661	665	669	668	669	670	671	671	672	667	1	8 00	682	12 05	642	40
19			✓	673	675	680	687	677	684	653	655	661	653	649	643	654	663	667	674	678	679	684	696	684	682	689	675	671	1	19 14	707	10 58	628	79
20	✓			675	674	676	671	662	668	675	676	677	669	654	651	657	663	668	675	685	685	684	689	681	677	675	676	673	0	19 35	700	11 18	650	50
21	✓			676	674	669	673	678	679	685	688	684	673	688	651	650	648	654	666	675	679	680	678	679	678	678	677	673	0	7 56	689	13 22	647	42
22				680	678	676	675	678	678	677	686	691	682	659	636	639	647	659	669	678	682	683	694	691	676	672	669	673	0	19 53	709	11 27	633	76
23	✓			669	676	673	674	675	677	682	685	682	675	662	651	648	650	660	668	676	679	681	684	680	679	679	679	673	0	7 57	688	12 50	644	44
24	✓	✓		678	676	667	672	675	675	678	686	685	679	660	647	639	640	650	659	669	674	675	678	681	681	681	679	670	0	7 45	688	13 00	637	51
25				675	672	672	672	672	675	679	685	685	675	658	643	634	630	640	655	664	670	677	683	683	680	677	676	668	0	8 01	687	13 19	629	58
26			✓	675	673	667	673	674	676	677	682	688	680	663	640	630	624	627	661	686	679	689	717	701	680	687	685	672	1	19 53	753	14 16	621	132
27			✓	676	671	666	669	669	670	677	691	685	689	677	662	665	648	665	668	689	705	709	689	693	685	684	673	678	2	9 08	734	13 45	625	109
28				680	676	669	673	671	675	682	684	691	693	684	668	654	652	658	667	676	685	683	689	686	683	685	686	677	0	19 48	698	12 54	651	47
29				686	685	678	675	666	647	661	665	679	677	673	673	661	660	674	682	697	691	706	687	682	684	689	689	678	1	18 42	712	5 50	635	77
30				680	681	671	662	662	671	673	677	681	683	680	667	651	649	661	670	675	678	682	683	685	687	683	685	674	0	21 22	698	13 10	646	52
31				676	667	671	675	677	676	672	663	672	670	659	652	650	655	662	671	685	684	685	689	686	676	679	679	672	0	16 45	696	12 21	649	47
MEANS ALL DAYS				675	674	670	670	670	672	675	680	682	675	660	647	642	644	653	663	673	679	680	684	683	679	680	677	670						64
MEANS TEN DAYS ✲				675	676	672	671	669	672	676	681	682	676	664	649	644	646	654	663	670	674	675	678	677	677	676	677	670						47
MEANS FIVE DAYS † (G. M. T.)				675	674	673	672	670	671	674	682 680	683 682	678	663	650	641	643	652	660	666	671	672	674	674	675	676	676	668						
MEANS FIVE DAYS ‡ (G. M. T.)				676	669	665	669	669	672	677	684	678	671	656	642	641	641	652	666	682	685	690	696	692	682	687	676	672						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 345

VERTICAL INTENSITY

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

APRIL 1944

APRIL 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				679	678	677	676	674	674	677	684	686	680	670	656	649	650	658	666	673	676	676	675	674	677	678	679	673	0	8 05	689	12 13	648	41
2			✓	678	678	676	663	671	676	674	663	658	654	648	639	642	645	654	684	709	756	858	832	773	730	711	699	695	2	18 10	897	13 41	632	265
3				695	696	690	679	685	692	697	692	688	686	680	674	677	677	680	686	690	688	689	689	694	695	696	692	688	1	22 49	700	11 34	668	32
4			✓	691	689	691	692	689	690	692	692	693	685	671	661	659	664	681	692	691	694	721	703	692	686	683	686	687	1	18 46	768	12 07	656	112
5			✓	689	680	679	681	684	687	689	693	690	681	674	667	664	661	670	676	684	696	693	706	687	685	683	679	682	1	19 15	731	13 16	658	73
6			✓	684	684	663	677	686	683	681	689	696	688	678	665	661	664	667	683	703	718	713	697	693	695	687	687	685	1	17 32	762	2 28	647	115
7				682	674	670	673	681	688	694	699	702	695	678	661	649	651	663	677	690	689	686	689	692	691	689	687	681	0	8 21	705	12 35	648	57
8				684	681	681	672	684	669	681	696	697	689	676	666	660	662	670	677	683	683	685	689	720	697	686	684	682	0	20 38	747	12 39	659	88
9				683	680	679	678	678	682	685	690	691	685	675	663	653	658	670	675	680	682	684	686	687	686	685	684	679	0	7 58	693	12 31	651	42
10				683	680	678	678	680	688	669	685	690	685	671	654	644	650	657	667	695	694	696	700	694	700	686	685	680	1	18 59	712	12 29	641	71
11				680	682	681	678	680	681	686	691	692	683	672	654	651	656	666	673	680	680	685	687	689	690	692	689	679	0	8 03	695	12 02	648	47
12				691	681	683	679	679	673	677	686	693	691	686	675	665	664	674	676	679	682	686	689	689	688	689	687	682	0	8 35	696	12 45	660	36
13	✓	✓		685	685	681	680	681	682	682	685	690	688	683	676	667	665	670	674	678	681	682	684	686	687	687	687	681	0	8 50	692	13 02	664	28
14	✓	✓		685	682	681	681	679	679	680	682	686	684	679	673	665	664	670	673	676	679	682	683	685	686	686	686	679	0	8 45	687	12 43	662	25
15				686	685	683	683	682	681	683	687	690	684	677	669	660	660	667	674	678	681	683	685	686	684	682	681	680	0	8 15	691	13 07	657	34
16			✓	681	682	678	678	683	683	675	678	688	686	683	669	667	669	674	678	692	704	704	716	708	720	707	712	688	1	19 51	728	12 09	665	63
17	✓			697	678	690	681	681	680	684	685	686	685	678	673	665	668	673	676	682	689	689	691	691	688	693	689	683	0	0 01	712	1 07	659	53
18	✓			682	681	682	681	681	681	679	681	685	686	682	679	673	673	678	684	688	690	690	688	689	687	687	685	683	0	18 00	690	13 08	670	20
19	✓	✓		684	683	684	685	684	684	686	688	690	687	682	674	664	662	670	677	682	685	686	686	686	685	686	689	682	0	23 09	694	13 13	660	34
20	✓			685	682	681	683	683	684	686	688	685	677	673	671	665	665	672	676	680	685	688	688	688	686	685	683	681	0	7 47	690	12 50	662	28
21	✓			682	683	681	679	682	684	685	685	682	672	665	664	667	669	672	677	679	681	683	686	693	690	684	680	679	0	20 50	697	11 10	662	35
22	✓	✓		680	678	680	681	682	680	685	687	689	684	675	666	661	665	669	673	676	680	684	687	688	687	685	682	679	0	8 27	690	12 13	659	31
23	✓	✓		681	680	678	679	680	683	685	688	689	686	678	665	657	656	656	669	675	681	684	686	686	686	686	684	678	0	8 12	690	13 00	654	36
24				681	679	678	678	679	680	681	683	688	683	671	661	654	656	659		683	689	689	689	693	692	690	687	679	0	20 25	695	13 22	651	44
25	✓			685	687	684	681	681	681	682	684	686	685	681	667	663	662	665	673	680	684	685	685	686	687	687	685	680	0	1 29	690	14 04	661	29
26				684	680	672	680	679	681	679	678	687	688	684	676	670	664	667	671	677	681	682	685	687	687	685	685	680	0	8 53	691	13 37	663	28
27				684	676	682	680	679	677	673	679	684	686	679	668	665	667	668	673	677	682	687	697	696	688	688	688	680	0	20 06	700	12 34	663	37
28				688	679	683	678	674	678	679	680	682	684	680	678	676	672	671	672	680	679	681	685	686	691	690	692	681	0	21 55	697	13 59	669	28
29				692	687	678	666	683	682	680	681	681	676	673	665	662	667	670	677	683	685	683	682	685	696	697	687	680	1	22 46	703	3 05	653	50
30				685	685	682	681	681	680	679	679	681	682	678	674	668	672	675	674	703	693	684	689	690	690	688	685	682	0	16 52	732	12 42	663	69
31																																		
MEANS ALL DAYS				685	682	680	679	681	681	682	685	688	684	676	667	661	663	669	676	684	689	694	694	693	691	689	687	682						55
MEANS TEN DAYS ✲				685	682	682	681	681	682	683	685	687	683	678	671	665	665	670	675	680	684	685	686	688	687	687	685	681						32
MEANS FIVE DAYS † (G. M. T.)				684	682	680	681	681	681	683	686 686	689 688	686	679	671	663	662	667	673	677	681	684	685	686	686	686	686	680						
MEANS FIVE DAYS ‡ (G. M. T.)				689	682	678	678	683	686	689	692	685	679	671	660	659	661	669	683	696	714	738	731	711	703	694	693	688						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

▢ = APPROXIMATE, MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 346

VERTICAL INTENSITY

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

MAY 1944 (THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME) MAY 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	685	685	683	685	686	684	685	684	684	692	688	682	678	679	681	684	702	708	711	705	708	713	701	704	692	1	19 04	746	22 54	655	91
2			✓	685	666	678	665	680	683	684	680	682	681	682	679	674	684	681	681	686	690	706	722	701	693	685	686	685	1	19 00	744	3 08	653	91
3				671	678	685	682	685	687	689	690	689	687	686	684	678	677	679	680	687	689	695	692	699	705	689	681	686	0	21 13	718	0 04	665	53
4			✓	682	682	682	685	687	686	687	687	688	685	679	673	671	671	674	678	683	687	688	698	697	693	693	688	684	1	20 05	708	13 20	670	38
5				689	692	688	687	668	685	685	684	683	675	679	679	680	679	679	682	685	691	699	701	695	693	693	690	686	0	18 49	710	4 52	645	65
6			✓	684	692	683	685	681	686	686	686	688	687	686	681	671	670	672	679	689	691	694	715	691	693	689	683	686	1	19 15	732	12 37	666	66
7				688	685	673	681	685	685	685	687	690	691	688	684	685	678	676	689	690	695	694	699	697	695	695	688	688	0	19 29	706	2 10	666	40
8				682	680	685	680	680	680	687	689	694	695	688	681	676	676	676	681	697	694	688	691	694	694	690	687	686	0	16 34	703	4 59	668	35
9				687	685	685	685	686	687	691	693	696	693	685	676	672	672	674	677	683	687	690	692	693	693	691	688	686	0	8 27	697	13 52	671	26
10	✓			686	685	685	676	683	686	688	692	698	697	690	676	665	664	670	674	682	686	688	690	691	691	690	687	684	0	8 29	701	13 10	662	39
11				685	683	682	681	679	680	681	685	690	695	690	683	678	673	672	673	678	683	684	686	689	689	688	686	683	0	9 14	696	13 40	671	25
12				683	682	679	678	678	679	679	682	690	695	694	686	677	671	667	673	682	685	685	688	690	690	687	687	683	0	9 28	698	14 31	666	32
13	✓	✓		686	685	682	677	682	683	682	685	691	693	690	684	675	672	676	680	684	687	687	689	689	690	690	686	684	0	9 32	694	13 32	671	23
14	✓			686	686	683	683	683	682	682	684	688	687	680	672	671	674	677	682	688	691	688	689	690	689	689	689	684	0	16 56	693	12 00	670	23
15				687	686	685	685	684	684	684	686	689	688	686	683	690	674	678	685	692	695	694	694	695	694	691	691	688	0	17 27	698	13 05	672	26
16	✓	✓		691	688	690	690	690	690	689	690	696	698	694	686	680	678	681	683	687	690	691	691	690	690	691	689	689	0	9 08	699	13 17	677	22
17	✓			689	689	686	687	689	690	688	687	689	688	682	673	672	674	675	680	688	691	691	691	691	691	691	687	686	0	22 06	694	11 56	671	23
18	✓	✓		685	685	687	687	688	688	686	685	690	693	690	684	682	685	687	687	690	693	693	693	692	691	690	688	688	0	9 23	694	12 20	681	13
19	✓			687	687	687	687	687	688	685	682	686	685	683	681	676	671	670	676	684	688	688	690	692	692	690	687	685	0	21 56	693	14 06	668	25
20	✓	✓		686	684	682	680	686	687	687	687	691	691	688	679	675	674	675	678	684	688	689	691	691	689	686	684	685	0	9 03	693	13 34	672	21
21	✓	✓		682	682	683	684	685	685	686	686	688	690	687	680	674	668	666	673	682	686	689	689	689	688	686	685	683	0	9 43	692	14 04	665	27
22	✓			681	679	678	680	682	684	684	681	686	689	686	683	680	674	667	669	677	684	687	688	690	690	687	684	682	0	20 25	691	14 27	666	25
23				681	680	679	680	679	680	680	682	685	686	685	675	672	667	669	673	679	687	691	694	693	689	691	691	682	0	19 56	696	13 24	666	30
24				687	682	679	679	679	681	681	684	684	682	686	681	678	676	675	688	693	695	698	696	695	695	693	695	686	0	18 10	701	13 10	670	31
25				692	686	686	685	678	683	685	685	690	692	689	682	680	678	675	679	681	687	689	693	694	699	699	689	686	0	22 08	711	14 19	672	39
26				685	684	678	678	679	682	681	682	690	688	685	683	677	675	672	674	683	689	691	692	692	693	692	690	684	0	21 24	694	14 58	669	25
27				689	686	684	683	683	684	683	682	685	689	687	682	682	682	680	676	684	689	690	694	698	696	694	694	686	0	20 11	704	15 32	674	30
28				691	690	684	684	684	684	683	682	684	685	685	682	681	678	678	681	685	687	687	688	690	691	693	690	685	0	22 57	696	14 27	673	23
29			✓	686	687	684	683	683	682	682	686	672	687	689	687	683	679	677	678	683	694	704	703	699	701	699	692	688	0	18 20	713	8 32	665	48
30				686	685	684	683	680	677	675	682	679	685	688	686	692	690	685	685	690	691	690	705	697	697	692	689	687	0	19 46	722	0 57	663	59
31				687	687	686	686	687	686	685	684	686	688	691	691	691	686	683	677	682	688	691	691	691	691	688	689	687	0	11 53	694	15 22	676	18
MEANS ALL DAYS				686	684	683	682	683	684	684	685	688	689	687	681	678	676	676	679	686	690	692	695	694	693	691	689	686						37
MEANS TEN DAYS *				686	685	684	683	686	686	686	686	690	691	687	680	675	673	674	678	685	688	689	690	690	690	689	687	685						24
MEANS FIVE DAYS † (G. M. T.)				685	685	683	684	685	686	685	687 684	691 687	693	690	683	677	675	677	680	685	689	690	691	690	690	689	686	686						
MEANS FIVE DAYS ‡ (G. M. T.)				684	681	682	680	680	683	684	685	683	686	685	680	675	677	677	680	689	694	701	709	699	699	693	691	686						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 347

VERTICAL INTENSITY

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JUNE 1944 — JUNE 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			703	698	692	692	694	695	689	686	695	695	695	687	685	686	688	691	694	698	699	699	699	697	697	697	694	0	0 50	707	7 01	679	28
2	✓			694	694	690	694	694	694	691	685	687	690	691	691	692	690	692	693	698	704	707	705	702	699	696	695	694	0	18 38	708	2 28	683	25
3	✓	✓		693	692	693	693	692	693	693	692	690	693	691	691	687	685	686	690	694	698	699	699	698	697	695	693	693	0	21 05	700	13 21	684	16
4				693	692	692	692	693	694	693	690	690	693	687	683	683	686	688	689	692	693	694	695	697	696	695	694	691	0	20 19	698	12 10	681	17
5				692	689	691	689	689	691	689	679	680	685	686	686	688	686	685	685	689	696	698	701	704	704	703	698	691	0	21 00	707	7 13	676	31
6	✓			695	694	692	689	691	692	691	686	690	696	696	690	692	692	686	682	687	695	698	699	699	698	696	695	693	0	20 40	701	15 24	681	20
7	✓	✓		694	693	690	692	691	692	693	690	691	690	686	679	680	683	684	687	691	695	700	700	701	701	697	694	691	0	20 58	704	11 50	677	27
8	✓	✓		692	690	687	687	688	690	692	692	696	696	695	692	686	684	678	678	689	694	696	698	699	699	698	696	691	0	20 40	701	14 54	675	26
9				693	689	688	686	688	688	688	686	689	695	696	691	688	681	675	678	687	694	696	698	699	699	700	697	690	0	21 07	702	14 35	673	29
10	✓	✓		693	688	687	686	688	688	687	687	693	701	701	694	689	683	680	682	689	693	695	696	699	698	697	696	691	0	10 08	703	14 52	679	24
11				692	689	688	686	686	689	689	691	697	704	703	695	687	681	680	686	692	695	695	695	697	695	695	697	692	0	9 48	707	13 26	678	29
12	✓	✓		697	694	691	691	690	691	691	689	693	697	694	682	681	682	685	685	692	694	694	694	695	696	696	696	691	0	0 34	700	11 33	679	21
13				692	691	691	690	690	690	688	686	688	692	693	692	687	683	680	685	691	693	691	691	695	690	690	688	689	0	20 30	702	13 54	678	24
14				690	691	691	691	691	688	688	688	694	696	694	685	681	685	685	688	694	694	694	697	698	705	701	699	692	0	21 19	710	12 44	679	31
15			✓	699	698	695	695	693	693	692	685	680	691	692	686	692	698	698	705	716	709	706	706	715	708	708	707	699	1	16 41	724	7 59	676	48
16				698	676	693	692	695	689	685	680	690	694	701	695	692	686	687	697	706	704	711	718	705	700	700	696	695	0	19 57	727	1 29	664	63
17				694	691	692	694	695	696	695	691	696	699	701	696	694	692	687	694	702	703	704	702	701	700	698	696	696	0	18 19	704	14 26	686	18
18				694	692	693	691	694	698	695	689	693	700	700	690	688	687	685	688	699	700	701	703	706	702	699	695	695	0	20 33	709	14 08	684	25
19				692	690	690	692	694	693	693	695	701	706	703	695	692	686	683	686	694	700	703	706	703	699	697	694	695	0	19 28	707	14 08	680	27
20				691	690	688	690	692	694	693	689	693	695	698	696	690	689	684	682	693	702	702	704	705	704	701	694	694	0	20 21	707	15 30	681	26
21			✓	692	689	691	688	687	692	692	685	689	701	693	694	695	689	680	680	695	708	702	702	706	706	698	696	694	0	17 40	717	14 46	676	41
22			✓	696	691	691	691	693	693	693	688	685	697	694	690	690	691	684	685	690	707	700	702	705	706	705	701	694	1	17 37	720	23 56	668	52
23			✓	693	701	693	690	691	687	687	689	695	700	700	703	701	692	682	695	688	695	698	697	705	707	704	701	696	0	20 58	711	0 01	671	40
24	✓			696	697	694	691	691	690	683	687	691	697	701	702	698	692	688	686	692	696	697	699	699	705	708	705	695	0	22 43	711	6 44	679	32
25	✓			699	695	692	692	691	690	689	686	692	697	697	695	694	691	686	683	692	697	697	698	698	698	697	695	693	0	0 01	701	15 24	682	19
26			✓	694	691	688	688	689	688	688	688	693	698	702	698	687	682	685	690	694	696	701	703	704	708	699	726	695	1	23 16	735	22 26	672	63
27				711	688	691	686	670	689	689	683	686	693	697	695	695	695	691	692	693	696	704	707	701	701	699	700	694	0	19 03	726	4 28	659	67
28				700	700	699	697	693	690	686	687	690	697	699	699	691	686	686	687	693	701	698	700	700	699	700	700	695	0	17 33	703	6 40	680	23
29				698	697	696	693	694	694	693	691	691	697	694	691	697	691	692	692	696	701	700	702	706	703	703	699	696	0	20 45	709	13 43	687	22
30				696	696	694	695	694	693	693	690	691	694	697	694	688	683	682	687	694	697	700	705	713	700	697	697	695	0	20 24	719	14 18	679	40
31																																		
MEANS ALL DAYS				695	692	691	691	691	691	690	688	691	696	696	692	690	687	685	688	694	698	699	701	702	701	699	698	694						32
MEANS TEN DAYS ✲				696	694	691	691	691	692	690	688	692	695	695	690	688	687	685	686	692	696	698	699	699	699	698	696	693						24
MEANS FIVE DAYS † (G. M. T.)				692	690	689	688	689	690	690	690 689	693 692	695	693	688	685	683	683	684	691	695	697	697	698	698	697	695	691						
MEANS FIVE DAYS ‡ (G. M. T.)				699	691	692	690	688	690	687	685	688	697	696	694	693	690	686	691	697	703	701	702	707	707	703	706	695						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
△̄ = NO RECORD

TABLE 348

VERTICAL INTENSITY

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

JULY 1944 — JULY 1944

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				703	701	701	701	700	698	697	697	700	706	707	700	691	694	697	697	702	706	706	705	705	704	702	700	701	0	10 11	710	13 03	690	20
2				699	699	697	699	698	699	701	701	704	706	704	699	697	692	691	698	704	709	709	712	711	704	701	700	701	0	20 07	715	14 13	689	26
3				698	698	698	697	700	700	699	695	698	703	704	701	696	691	685	688	698	706	707	709	706	705	704	701	699	0	19 08	714	14 40	682	32
4	✓			699	697	696	697	699	698	696	692	698	704	708	704	700	696	688	689	698	704	704	705	705	704	702	700	699	0	9 57	710	15 10	686	24
5				697	695	694	699	699	700	700	698	703	712	712	703	690	683	687	694	700	703	703	702	704	704	702	700	699	0	9 54	716	13 40	682	34
6				698	691	692	693	695	698	697	694	700	703	703	695	687	683	681	686	694	700	701	703	704	703	702	699	696	0	20 56	705	14 31	678	27
7				696	695	693	690	695	696	695	689	698	710	711	704	703	697	696	701	705	707	708	710	712	715	713	706	702	0	21 29	716	3 37	686	30
8	✓			697	696	694	696	697	697	697	697	701	705	706	701	698	694	684	685	694	697	699	701	706	707	707	705	698	0	22 14	712	14 40	681	31
9			✓	703	701	696	696	696	696	694	689	692	696	696	697	698	692	685	691	701	712	710	716	712	715	716	710	700	1	20 00	720	14 30	676	44
10				705	699	696	694	694	696	694	693	700	710	709	705	699	693	689	691	696	701	700	702	703	705	706	709	700	0	9 26	713	14 35	687	26
11	✓			704	701	697	694	692	696	695	693	698	701	702	700	696	695	693	695	696	701	701	701	702	704	704	702	698	0	22 07	708	4 18	683	25
12	✓			701	698	698	698	698	696	695	692	695	695	695	693	692	694	687	686	691	696	696	697	698	700	701	700	696	0	0 01	702	15 12	685	17
13				701	695	698	695	694	693	692	688	689	695	697	692	688	688	689	692	695	698	699	700	698	698	698	700	695	0	19 36	702	7 34	684	18
14				699	696	693	693	693	694	692	691	698	702	698	692	689	686	687	692	698	710	701	700	698	697	696	695	695	0	17 43	717	13 48	685	32
15			✓	695	695	694	693	695	694	692	693	694	700	699	695	695	691	690	690	702	709	711	715	717	709	700	697	699	0	20 07	724	14 31	687	37
16				697	696	692	695	696	699	699	696	696	694	692	684	686	691	692	701	706	707	706	707	708	712	700	699	698	0	21 15	722	11 37	681	41
17				702	699	690	698	694	701	699	698	696	696	691	690	692	692	695	705	703	705	709	711	708	709	712	708	700	0	22 15	715	2 42	684	31
18				701	698	697	694	699	701	703	702	704	701	695	691	689	685	685	689	697	703	703	706	709	706	700	699	698	0	20 37	711	13 57	683	28
19			✓	698	700	698	699	697	697	697	700	705	711	706	693	686	682	684	689	693	702	702	705	716	714	703	700	699	0	21 00	731	13 50	680	51
20			✓	699	696	696	695	695	695	697	698	701	705	700	688	682	673	670	677	696	716	718	711	717	721	712	705	698	0	18 00	741	14 54	668	73
21			✓	700	698	698	698	695	698	698	698	703	706	703	695	695	686	684	695	697	706	709	710	721	709	709	707	701	0	20 28	733	14 09	679	54
22				704	704	699	698	698	694	697	696	700	704	699	689	683	677	680	687	697	699	702	705	706	707	706	703	697	0	2 05	709	13 42	675	34
23	✓			701	695	698	696	692	693	695	695	703	712	712	706	694	682	676	684	692	699	699	701	704	705	706	704	698	0	9 59	714	14 37	675	39
24	✓	✓		702	699	697	696	695	695	695	693	702	708	707	702	695	687	682	686	695	701	702	702	702	702	704	703	698	0	9 44	709	15 06	680	29
25	✓	✓		703	701	697	697	697	695	695	697	704	708	711	708	698	690	683	684	696	700	700	702	703	703	703	701	699	0	10 57	713	14 44	681	32
26	✓	✓		699	697	696	694	694	693	693	694	699	700	693	689	687	687	688	688	694	699	700	698	698	700	701	703	695	0	23 35	704	13 55	684	20
27	✓	✓		700	696	695	694	693	691	690	692	699	706	705	699	692	689	683	688	694	697	697	699	699	702	705	702	696	0	9 46	709	14 20	682	27
28	✓	✓		698	695	693	693	693	693	691	695	706	711	712	708	696	684	680	683	693	699	699	699	699	699	701	702	697	0	10 16	713	14 08	679	34
29				698	695	693	692	692	692	687	689	699	705	708	701	694	690	687	689	696	701	700	697	698	698	698	698	696	0	10 14	710	14 55	686	24
30				695	694	696	694	691	694	694	695	700	705	705	698	688	670	666	677	691	698	700	702	697	697	698	700	694	0	10 18	706	14 07	662	44
31				698	695	694	695	693	693	693	690	697	706	706	700	690	675	680	685	697	700	700	703	706	700	700	697	696	0	20 10	716	13 34	672	44
MEANS ALL DAYS				700	697	696	696	695	696	695	695	699	704	703	697	692	687	685	690	697	703	703	704	706	705	704	702	698						33
MEANS TEN DAYS ✱				700	698	696	696	695	695	694	694	700	705	705	701	695	690	684	687	694	699	700	700	702	703	703	702	697						28
MEANS FIVE DAYS † (G. M. T.)				700	697	695	694	694	693	691	694 693	702 701	707	706	701	694	687	683	686	694	699	700	700	700	701	703	702	697						
MEANS FIVE DAYS ‡ (G. M. T.)				701	699	696	696	696	696	697	696	699	704	701	694	691	685	683	688	698	709	710	711	717	714	708	704	700						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
= APPROXIMATE. MAGNETIC STORM
= INTERPOLATED
= ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 349

VERTICAL INTENSITY

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

AUGUST 1944

AUGUST 1944

DAY	*	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				694	694	694	696	694	700	695	697	703	705	694	679	675	674	673	687	700	708	708	713	712	702	700	697	696	0	20 07	740	14 00	669	71
2			✓	696	694	695	697	700	700	700	700	707	711	704	690	678	670	670	676	689	698	698	698	700	698	698	699	694	1	9 19	712	13 57	665	47
3			✓	696	697	694	699	705	710	694	700	706	703	698	696	704	698	717	723	724	749	725	738	745	721	712	706	711	1	17 12	783	10 26	684	99
4				706	703	702	699	700	703	707	713	716	718	709	697	687	683	683	689	696	703	706	709	713	721	709	704	703	0	21 39	728	13 15	681	47
5				700	699	698	699	700	700	702	705	709	712	714	705	690	686	687	691	699	706	706	706	709	709	706	705	702	0	10 30	715	13 07	684	31
6				702	699	696	697	697	690	702	702	709	715	715	710	691	680	680	685	694	703	703	706	709	709	709	705	700	0	10 02	718	13 50	678	40
7	✓			707	699	695	695	695	697	699	702	709	710	705	698	694	695	695	694	695	698	700	703	705	708	710	704	700	0	22 35	714	12 37	692	22
8				702	700	698	695	695	695	698	701	710	711	704	695	681	672	672	676	687	694	697	700	703	703	706	716	696	0	23 45	725	14 28	670	55
9				705	700	694	685	691	692	693	693	700	707	705	698	682	675	674	680	692	699	699	702	702	705	704	703	695	0	0 01	717	13 58	673	44
10				700	693	698	698	694	693	696	700	710	712	703	689	678	675	681	687	691	694	702	700	705	706	714	711	697	0	22 46	726	13 34	674	52
11				706	699	696	694	696	696	693	691	695	697	696	693	693	687	690	693	695	696	698	699	700	703	702	700	696	0	0 09	714	13 56	686	28
12				700	699	694	695	693	694	694	696	702	706	712	706	700	699	695	693	695	700	702	705	706	710	703	701	700	1	21 46	715	15 17	689	26
13	✓			700	699	696	696	695	695	693	691	696	704	706	695	686	683	685	691	696	701	702	703	703	703	701	699	697	0	10 10	710	13 48	683	27
14	✓			700	699	698	694	696	698	695	698	705	708	701	690	678	676	673	677	688	694	697	699	701	700	700	699	694	0	9 43	709	14 50	672	37
15				698	697	697	697	694	697	696	692	694	697	697	698	692	686	681	684	691	700	707	710	707	704	701	700	697	0	19 47	715	14 55	676	39
16				698	698	697	699	699	700	697	696	703	705	697	689	684	678	674	677	686	695	699	703	707	712	715	709	697	0	22 30	718	14 26	672	46
17	✓			701	699	697	696	697	697	698	694	699	710	717	710	696	687	677	681	693	700	703	705	705	703	701	699	699	0	10 50	718	14 50	676	42
18			✓	697	696	696	696	696	697	696	697	704	705	702	690	673	654	647	663	697	707	716	726	728	722	713	707	697	1	18 40	735	14 08	640	95
19				705	691	693	696	699	702	702	704	711	712	710	696	687	685	681	687	700	705	709	712	715	712	712	709	701	0	20 51	717	14 16	679	38
20	✓	✓		701	698	695	696	696	696	701	709	714	711	706	695	687	685	680	684	692	699	703	706	711	709	708	705	699	0	8 39	716	14 09	679	37
21	✓	✓		703	700	697	696	696	696	698	704	711	717	718	709	692	682	681	686	692	698	702	705	707	708	709	708	701	0	10 10	720	14 00	680	40
22	✓			703	700	695	691	692	695	696	698	707	713	710	698	686	679	675	676	686	697	701	707	713	714	710	707	698	0	21 09	717	14 44	673	44
23				704	700	698	697	697	694	691	698	709	706	701	693	682	676	682	685	690	699	706	719	732	717	717	716	700	0	20 29	741	13 00	674	67
24				719	713	706	701	694	694	698	699	697	691	683	683	677	683	683	682	692	702	705	722	730	740	724	730	702	0	21 03	744	12 34	675	69
25	✓	✓		702	699	699	698	698	701	699	699	702	700	696	687	680	679	683	688	693	702	703	703	706	709	709	709	698	0	22 54	711	12 55	677	34
26	✓	✓		709	704	702	702	701	700	700	702	705	706	699	689	684	681	680	683	689	693	696	697	699	700	701	703	697	0	0 05	711	14 53	679	32
27				704	703	699	693	694	696	691	691	700	705	705	697	688	684	685	687	691	695	699	699	700	703	702	700	696	0	9 47	708	13 25	680	28
28			✓	700	700	699	693	690	696	693	693	700	709	706	700	688	684	684	689	704	707	710	726	722	711	707	707	701	1	19 52	743	14 06	680	63
29	✓	✓		704	704	700	694	688	696	700	704	709	709	707	700	690	685	686	688	692	698	700	700	701	704	704	700	698	0	9 30	712	4 52	681	31
30				697	697	700	700	698	697	695	700	712	714	715	710	694	680	675	678	690	703	705	705	708	711	704	701	700	0	9 47	720	14 17	673	47
31			✓	699	698	693	694	698	699	699	706	717	721	719	711	700	684	678	684	707	703	708	716	711	709	706	703	703	1	8 49	724	14 43	677	47
MEANS ALL DAYS				702	699	697	696	696	697	697	699	706	708	705	697	687	681	681	685	694	701	704	708	710	709	707	705	699						46
MEANS TEN DAYS *				703	700	697	696	695	697	698	700	706	709	706	697	687	683	682	685	692	698	701	703	705	706	705	703	698						35
MEANS FIVE DAYS (G. M. T.) †				703	701	699	696	696	697	696	704 699	708 707	709	705	696	687	682	682	686	692	698	701	702	705	706	706	705	698						
MEANS FIVE DAYS (G. M. T.) ‡				701	698	698	696	697	702	701	705	707	710	706	697	689	678	679	687	704	713	711	721	721	712	707	704	702						

DESIGNATIONS AND REMARKS

* = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE. MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 350

VERTICAL INTENSITY

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

SEPTEMBER 1944 — SEPTEMBER 1944

DAY	✻	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M			MINIMUM H M			RANGE
1				694	694	699	693	695	700	703	704	710	714	710	693	684	680	681	681	693	703	706	712	719	712	708	700	700	0	20	47	725	15	14	675	50
2			✓	697	694	696	696	697	697	700	703	696	705	711	706	696	693	704	703	700	706	714	731	721	720	716	709	705	1	19	38	738	13	23	683	55
3				696	693	687	689	693	698	697	701	706	711	711	703	693	684	685	693	695	701	712	711	707	707	707	706	699	0	18	54	720	13	42	682	38
4	✓			703	700	699	697	698	699	702	706	715	718	711	699	683	674	677	684	692	698	703	704	707	706	706	703	699	0	9	19	719	13	38	672	47
5	✓			700	699	699	691	684	684	694	705	709	709	711	695	684	681	681	684	692	700	704	707	711	709	707	706	698	0	20	44	716	12	43	679	37
6	✓			704	701	700	698	698	698	698	703	710	706	699	692	682	675	677	684	693	697	699	701	701	703	705	705	697	0	8	24	711	13	50	673	38
7				702	701	698	695	694	695	693	701	715	715	707	693	682	677	678	682	693	706	712	709	708	708	708	706	699	0	8	46	720	13	02	674	46
8				704	702	700	699	698	698	699	703	708	709	705	698	690	686	685	686	693	701	709	715	720	727	721	715	703	0	21	17	730	15	23	684	46
9	✓	✓		705	702	702	702	690	693	700	706	710	708	699	684	675	674	676	683	692	698	701	704	705	708	705	707	697	0	8	02	715	13	03	673	42
10				707	705	701	699	697	698	698	702	707	706	703	695	689	684	685	690	700	701	704	705	704	707	707	710	700	0	23	13	721	13	17	682	39
11				700	699	698	697	694	697	697	704	707	706	705	697	685	682	684	688	693	700	702	704	704	706	706	704	698	0	7	58	714	13	49	679	35
12				703	699	698	699	700	697	697	703	707	707	700	692	681	676	682	691	695	703	709	716	719	706	702	701	699	0	20	06	729	13	12	673	56
13	✓			703	700	696	699	700	700	703	709	710	710	703	684	669	666	671	684	694	699	700	704	706	706	704	704	697	0	8	40	712	13	33	663	49
14				699	696	696	699	698	703	701	707	717	720	710	690	675	663	672	684	693	700	704	709	709	713	712	708	699	0	9	23	725	13	25	660	65
15	✓	✓		709	675	696	696	696	696	700	706	707	710	704	692	676	668	669	682	693	703	710	707	706	704	703	700	696	0	9	04	713	13	54	665	48
16	✓	✓		698	698	698	698	700	700	703	710	720	721	713	701	682	672	679	689	695	704	705	706	708	708	708	711	701	0	9	19	724	13	42	670	54
17	✓	✓		703	700	699	700	700	703	701	708	715	712	704	691	678	670	672	679	689	697	702	705	708	709	707	702	698	0	8	43	716	13	40	668	48
18				700	699	698	698	699	700	701	708	713	712	697	687	676	678	682	690	698	709	711	712	712	718	713	709	701	0	21	45	720	12	45	673	47
19	✓	✓		704	700	700	697	698	701	705	710	713	708	697	682	668	670	675	686	697	701	703	706	709	707	706	704	698	0	8	08	716	12	50	666	50
20				701	700	697	697	697	698	700	706	714	716	704	684	669	665	667	677	690	697	698	702	708	710	711	708	696	1	9	30	718	13	13	664	54
21			✓	704	698	698	695	693	695	701	696	716	710	707	702	680	672	679	695	706	713	717	722	720	715	715	707	702	1	20	13	724	13	53	669	55
22				704	703	698	695	697	700	706	713	716	716	707	694	681	675	678	687	697	701	702	704	707	710	707	704	700	0	8	59	722	13	32	673	49
23				707	705	704	697	696	700	699	698	708	712	705	696	690	686	687	693	700	705	708	705	705	706	707	707	701	0	8	59	714	13	40	685	29
24			✓	705	702	699	698	697	693	705	711	720	700	701	693	684	678	683	691	717	715	704	705	714	715	709	704	702	1	16	45	740	13	31	677	63
25				703	703	703	697	701	703	698	711	719	719	713	699	687	682	683	686	695	703	705	710	705	706	708	706	702	0	9	03	724	13	53	681	43
26				706	705	702	699	706	707	708	709	712	709	698	682	673	674	683	692	700	701	703	709	708	709	712	709	701	0	22	56	725	12	05	672	53
27			✓	704	704	704	704	705	700	704	715	716	707	693	681	678	676	681	692	704	705	705	712	713	707	704	704	701	0	8	10	720	13	49	675	45
28	✓			707	707	713	706	698	704	710	717	718	710	694	679	665	667	677	691	712	712	710	709	710	709	707	706	702	0	7	58	723	13	06	662	61
29				704	704	700	704	692	709	713	715	716	703	684	669	666	669	681	696	705	710	714	714	714	713	711	708	701	0	8	07	719	12	32	664	55
30			✓	706	705	704	705	699	701	708	713	714	711	698	684	669	665	669	687	702	707	707	708	716	734	746	713	703	1	22	24	762	13	19	664	98
31																																				
MEANS ALL DAYS				703	700	699	698	697	699	701	707	712	711	703	691	680	675	679	688	697	703	706	709	710	711	710	706	700								50
MEANS TEN DAYS ✻				704	698	700	698	696	698	702	708	713	711	704	690	676	672	675	685	695	701	704	705	707	707	706	705	698								47
MEANS FIVE DAYS † (G. M. T.)				702	700	699	698	699	700	701	708 707	713 714	712	703	690	676	671	674	684	693	701	704	706	707	707	706	705	698								
MEANS FIVE DAYS ‡ (G. M. T.)				706	701	701	697	698	702	704	709	712	707	702	693	681	677	683	694	706	709	709	716	717	718	718	707	703								

DESIGNATIONS AND REMARKS

✻ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊠ = NO RECORD

TABLE 351

VERTICAL INTENSITY

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

OCTOBER 1944

OCTOBER 1944

DAY	✲	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHAR-ACTER	MAXIMUM H M		MINIMUM H M		RANGE
1			✓	720	700	704	699	703	707	710	705	711	712	702	694	685	683	687	694	702	710	712	735	715	712	714	714	705	1	19 40	759	13 10	682	77
2				707	702	706	705	700	697	700	723	731	724	711	697	681	673	674	687	704	712	715	720	719	717	713	711	705	0	8 07	735	13 45	670	65
3				707	706	703	703	702	705	712	721	730	725	710	692	689	691	692	698	711	713	718	726	731	730	728	709	710	0	20 30	733	12 00	686	47
4				704	705	703	702	695	706	716	721	731	728	712	696	691	690	693	703	710	711	713	713	713	713	714	716	708	0	8 51	734	13 30	689	45
5	✓	✓		713	708	704	702	705	710	719	727	728	719	702	692	681	677	681	692	705	713	713	716	715	714	714	714	707	0	8 08	732	13 25	675	57
6				712	709	709	708	708	708	715	721	723	711	694	675	665	663	673	688	700	705	709	709	713	713	712	712	702	0	8 09	725	13 30	661	64
7	✓			712	707	703	704	712	701	704	710	722	717	710	693	675	669	672	687	702	710	711	712	719	715	715	716	704	0	20 14	728	14 01	667	61
8	✓	✓		714	714	712	705	703	709	713	721	730	730	723	706	689	684	683	692	704	709	710	709	710	711	712	709	708	0	8 51	733	14 03	682	51
9	✓	✓		713	712	711	710	709	710	713	720	723	714	695	681	671	673	679	688	702	711	712	712	721	712	713	713	705	0	8 12	726	12 33	670	56
10				713	712	711	711	710	710	715	721	723	708	683	668	663	666	676	691	706	715	715	713	716	715	713	712	704	0	8 09	725	12 23	661	64
11			✓	712	712	712	707	707	707	718	728	730	714	694	678	682	675	680	694	708	711	709	710	704	718	730	733	707	1	23 51	745	13 10	674	71
12				742	699	699	701	705	703	712	718	714	702	690	680	676	679	684	689	701	705	708	708	709	705	706	709	702	0	0 21	756	12 37	675	81
13				701	704	707	706	707	708	716	719	721	714	697	679	664	664	677	690	704	707	707	706	707	722	718	697	702	0	21 22	729	13 00	661	68
14			✓	704	702	698	698	708	708	714	718	710	698	683	673	669	672	680	692	705	710	721	722	727	720	710	705	702	1	20 47	730	12 15	669	61
15			✓	712	710	701	706	712	712	712	709	703	696	691	681	687	687	694	704	711	725	736	726	730	727	723	721	709	1	18 30	744	11 39	676	68
16				715	720	721	724	717	721	723	724	736	726	710	696	684	686	691	698	709	719	721	721	724	726	722	718	715	0	7 55	737	12 53	683	54
17				718	715	713	716	720	723	730	736	733	723	702	686	674	676	682	696	709	716	721	726	730	731	721	719	713	0	7 54	740	12 50	672	68
18				717	716	714	714	715	719	719	736	740	726	700	683	670	670	681	696	710	716	726	733	727	722	719	717	712	0	8 24	747	12 48	666	81
19	✓	✓		714	709	710	712	713	716	724	734	734	724	704	687	681	678	682	695	711	721	718	718	721	721	720	718	711	0	8 12	737	13 26	677	60
20	✓			715	715	712	711	714	716	721	728	736	729	709	685	672	674	682	694	708	713	714	715	719	719	720	720	710	0	8 32	737	12 45	671	66
21	✓	✓		718	720	717	714	714	710	705	722	736	733	713	689	677	677	683	694	712	717	717	718	720	723	721	720	711	0	8 33	739	12 30	675	64
22	✓			718	718	715	710	713	714	717	727	734	733	707	677	661	667	680	698	711	717	718	718	721	721	721	720	710	0	9 10	737	12 35	660	77
23				718	719	718	714	714	717	721	728	735	730	713	693	677	681	688	692	705	714	717	718	721	721	721	731	713	1	8 53	738	12 49	673	65
24			✓	747	730	736	719	714	717	716	718	726	722	700	683	676	682	690	696	710	717	723	731	720	719	723	720	714	0	0 29	757	12 44	673	84
25				715	716	720	714	715	718	723	730	727	721	714	699	686	685	685	693	703	714	716	716	718	716	719	718	712	0	7 30	737	13 12	683	54
26				716	715	714	703	711	718	718	725	725	728	711	698	685	682	695	704	715	725	721	719	718	718	717	716	712	0	9 24	737	13 31	678	59
27				718	715	709	713	719	719	721	724	726	723	713	699	688	689	693	703	713	723	720	719	720	724	721	721	714	0	8 05	729	12 53	686	43
28				710	715	717	717	717	718	724	727	729	726	708	690	682	686	695	708	715	722	724	726	726	723	720	719	714	0	8 42	732	12 35	681	51
29	✓			720	718	717	715	717	724	724	727	724	715	701	690	685	691	695	708	718	722	721	719	718	718	716	716	713	0	7 53	732	12 30	684	48
30	✓			716	716	716	715	719	722	726	729	734	730	710	689	684	687	700	713	722	723	723	724	723	723	721	720	716	0	9 13	736	12 30	680	56
31				717	716	716	716	720	723	731	741	747	738	716	703	697	697	704	715	726	727	729	730	723	723	718	710	720	0	8 38	751	13 18	694	57
MEANS ALL DAYS				715	712	711	709	711	713	717	724	727	721	704	688	679	679	686	697	709	715	717	719	719	719	718	716	709						62
MEANS TEN DAYS ✲				715	714	712	710	712	713	717	724	730	724	707	689	678	678	684	696	710	716	716	716	719	718	717	717	710						60
MEANS FIVE DAYS † (G. M. T.)				714	713	712	710	711	712	716	725 723	730 728	724	707	691	680	678	682	692	707	714	714	715	717	716	716	715	709						
MEANS FIVE DAYS ‡ (G. M. T.)				718	709	709	710	710	710	714	721	716	708	694	682	680	680	686	696	707	715	720	725	719	719	720	719	708						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
⊼ = NO RECORD

TABLE 352

VERTICAL INTENSITY

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

NOVEMBER 1944

NOVEMBER 1944

DAY	✲	†	‡	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1	✓			711	707	709	708	708	715	725	729	733	724	708	689	674	672	677	691	703	711	714	715	717	719	715	712	708	0	8 07	737	13 20	670	67
2				710	709	706	706	709	712	719	730	735	728	710	692	682	681	685	695	706	713	717	717	717	716	715	714	709	0	8 28	737	13 20	678	59
3				711	711	708	707	709	714	720	725	725	719	702	683	674	679	686	696	705	709	712	719	729	722	719	726	709	0	20 27	730	12 20	672	58
4			✓	717	716	711	709	710	713	720	726	730	723	706	680	667	667	674	688	705	716	721	731	735	732	729	723	710	0	20 00	758	12 59	664	94
5			✓	707	714	715	710	714	717	717	717	719	714	694	676	668	669	679	692	707	722	719	720	732	725	726	715	708	1	20 13	747	12 00	666	81
6			✓	712	718	719	715	711	698	696	708	716	713	710	703	696	698	701	708	720	718	716	719	727	732	725	722	713	0	21 33	740	5 46	690	50
7				718	717	715	714	716	715	717	720	725	718	703	690	683	682	685	697	707	712	718	717	718	721	725	726	711	0	23 05	729	13 22	679	50
8				722	715	715	714	714	712	716	721	724	720	707	698	687	686	686	691	704	716	723	722	720	718	718	717	711	0	8 01	725	13 04	684	41
9				716	715	714	714	715	717	724	726	725	716	705	698	689	686	687	695	711	718	718	717	719	717	719	716	712	0	8 05	727	13 10	684	43
10			✓	714	714	712	714	708	714	720	720	715	707	700	693	686	683	689	693	703	707	715	717	733	735	725	716	710	1	20 47	743	13 10	682	61
11				701	723	723	716	718	723	723	720	718	715	710	698	692	689	699	710	718	718	717	717	720	720	715	715	713	0	2 09	737	12 45	688	49
12	✓			714	712	714	712	718	721	729	732	733	723	712	693	684	684	691	704	713	716	718	717	716	716	715	715	713	0	8 23	737	13 06	683	54
13	✓	✓		714	715	715	715	716	720	727	729	727	719	702	687	677	681	688	698	706	713	714	715	715	717	716	716	710	0	8 01	731	12 50	675	56
14	✓			714	714	714	714	714	718	722	724	725	714	696	679	675	675	683	696	708	715	718	718	721	722	721	722	709	0	7 25	727	13 13	672	55
15	✓	✓		721	718	714	711	713	718	725	729	729	727	717	699	690	684	690	698	707	714	718	718	717	718	719	717	713	0	8 28	732	13 30	683	49
16				717	716	716	713	714	719	724	727	727	723	707	691	683	680	685	695	706	714	720	723	727	726	724	720	712	0	8 37	729	13 16	678	51
17	✓			717	714	714	714	715	718	726	730	723	717	704	693	683	679	686	699	714	720	721	721	721	718	718	718	712	0	7 32	732	13 27	676	56
18				717	714	714	713	713	716	725	730	721	714	701	683	672	671	676	692	707	716	721	720	720	721	733	727	710	0	22 43	739	13 20	669	70
19				713	712	710	709	710	713	720	727	728	722	706	686	670	670	683	698	711	716	723	718	719	723	724	722	710	0	8 04	734	13 00	664	70
20			✓	715	712	712	712	711	714	722	732	729	713	698	686	673	673	681	692	708	720	726	737	739	753	750	735	714	1	21 30	760	12 47	667	93
21	✓			747	731	716	710	714	719	724	729	732	724	704	688	678	678	686	697	708	715	718	718	720	721	721	721	713	0	0 07	760	12 54	675	85
22				724	720	718	716	714	717	723	731	736	735	725	707	694	683	688	699	710	717	718	717	717	718	723	721	715	0	9 20	738	13 40	682	56
23				719	719	715	714	714	717	720	725	728	725	710	700	691	685	686	695	705	713	720	722	723	721	723	722	713	0	8 21	731	13 41	682	49
24	✓	✓		719	717	715	713	713	715	720	726	729	725	709	692	679	678	685	699	713	718	716	716	716	716	717	717	711	0	8 35	731	13 10	677	54
25	✓	✓		717	717	717	716	716	720	723	727	717	713	699	686	680	681	690	699	706	712	713	713	713	713	714	714	709	0	7 50	729	12 30	679	50
26				719	714	714	713	717	720	724	727	729	719	701	687	690	691	695	704	711	718	718	717	717	718	718	717	712	0	8 40	732	11 32	686	46
27	✓	✓		714	712	711	713	715	721	725	726	722	712	690	673	674	680	698	704	711	715	719	716	715	712	712	711	708	0	7 23	729	12 00	670	59
28				712	712	712	713	715	719	722	722	721	716	706	691	685	685	696	709	717	722	723	719	718	716	713	712	712	0	18 00	725	12 30	684	41
29				713	712	713	713	716	721	725	724	724	721	707	692	686	686	692	699	707	714	719	720	720	720	719	718	712	0	6 49	727	13 13	684	43
30				717	713	713	713	715	717	723	733	735	724	709	693	691	690	692	702	707	715	720	723	727	731	727	723	715	0	8 09	738	13 21	689	49
31																																		
MEANS ALL DAYS				716	715	714	712	714	716	722	726	726	719	705	690	682	681	687	698	709	715	718	719	722	722	721	719	711						58
MEANS TEN DAYS ✲				719	716	714	713	714	718	725	728	727	720	704	688	679	679	687	698	709	715	717	717	717	717	717	716	711						58
MEANS FIVE DAYS † (G. M. T.)				716	715	715	714	715	719	723	727 725	725 724	719	703	687	680	681	690	700	709	714	716	716	715	715	716	715	710						
MEANS FIVE DAYS ‡ (G. M. T.)				717	721	718	713	715	714	715	719	722	714	702	688	678	678	685	695	709	717	719	725	733	735	731	722	712						

DESIGNATIONS AND REMARKS

✲ = TEN LEAST DISTURBED DAYS

† = FIVE INTERNATIONAL QUIET DAYS

‡ = FIVE INTERNATIONAL DISTURBED DAYS

[ ] = APPROXIMATE. MAGNETIC STORM

( ) = INTERPOLATED

[ ] = ESTIMATED

▽ = LAMP OUT

△ = RECORD OFF SHEET

□ = CLOCK STOPPED

⊼ = NO RECORD

TABLE 353

VERTICAL INTENSITY

51000 PLUS TABULAR QUANTITIES, EXPRESSED IN GAMMAS

(THE TABULAR VALUES ARE AVERAGE VALUES FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED 120TH MERIDIAN MEAN TIME)

DECEMBER 1944

DECEMBER 1944

DAY	✱	†	‡	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	MEAN	CHARACTER	MAXIMUM H M		MINIMUM H M		RANGE
1				717	714	713	713	717	719	720	721	725	724	715	699	690	689	689	698	706	711	713	719	726	731	732	728	714	0	23	47	13	13	52
2				725	718	715	714	717	721	725	730	729	719	706	691	679	684	686	697	711	722	734	736	728	725	725	728	715	0	18	43	13	01	65
3				727	729	720	699	709	723	728	737	734	731	720	704	692	686	695	700	707	715	717	720	725	726	732	726	717	0	8	27	13	20	55
4	✓			722	718	714	712	715	717	721	723	733	733	727	716	702	695	692	698	708	714	719	722	723	724	726	727	717	0	9	06	14	00	46
5				724	722	720	717	717	719	720	722	724	725	726	720	709	699	698	699	710	721	724	725	728	731	731	728	719	0	21	59	14	30	38
6	✓			724	721	719	718	718	721	718	718	725	721	725	711	700	696	697	703	711	723	728	726	726	725	727	733	718	0	23	50	13	55	43
7	✓	✓		729	725	721	719	717	718	721	719	721	721	714	697	679	668	678	693	707	717	721	721	721	721	721	721	712	0	0	01	13	30	70
8	✓			721	721	718	719	720	720	721	724	726	728	721	704	690	682	682	694	692	713	718	718	720	724	726	730	714	0	23	18	14	00	51
9				725	724	718	718	717	720	724	721	719	716	701	684	681	682	691	696	708	717	723	722	723	722	723	722	712	0	1	08	11	50	51
10	✓	✓		723	723	720	721	719	724	727	724	716	709	705	699	695	695	696	702	712	722	723	720	719	719	719	719	715	0	6	57	12	36	41
11	✓	✓		718	719	719	720	722	722	723	722	718	712	704	694	691	694	704	717	725	725	722	722	724	721	718	717	716	0	17	18	12	38	39
12	✓			717	714	714	714	719	723	728	730	727	708	686	670	668	679	696	706	714	717	718	717	719	718	717	716	710	0	7	40	12	07	65
13			✓	717	717	717	716	719	721	725	730	728	717	700	688	684	688	692	696	707	714	721	717	725	729	733	731	714	1	22	52	12	45	68
14				721	737	728	724	724	728	724	714	707	704	696	690	692	693	706	721	741	741	732	735	732	731	729	726	720	0	1	51	11	03	61
15				722	718	717	718	722	729	736	736	727	723	709	697	697	701	709	717	726	731	731	728	726	727	725	725	721	1	7	01	11	50	44
16			✓	720	719	717	716	724	731	730	718	716	716	709	695	675	666	681	688	716	714	710	743	750	766	813	794	722	2	22	12	13	24	230
17			✓	763	772	725	703	723	738	745	739	731	727	725	720	713	711	721	730	759	769	779	776	759	756	744	731	740	2	0	10	3	18	152
18			✓	746	721	745	714	725	727	715	723	731	738	735	728	720	717	717	724	739	735	738	746	742	741	741	737	731	1	1	54	1	06	91
19				733	730	731	728	728	731	734	731	736	741	739	724	717	712	716	720	727	727	732	735	738	738	741	739	730	0	9	43	13	55	35
20				729	731	730	729	725	727	732	741	755	760	759	749	731	720	717	716	720	727	738	736	734	735	737	739	734	0	9	30	14	19	50
21				734	732	731	728	731	733	731	730	738	736	738	737	724	713	711	713	717	727	737	738	738	740	741	739	731	0	22	23	14	00	33
22				734	728	733	732	732	734	737	740	744	741	733	723	719	723	724	723	723	726	726	729	733	737	737	734	731	0	9	10	11	54	27
23	✓			733	734	733	727	726	732	731	727	728	731	727	723	720	717	717	716	719	720	727	731	734	734	735	737	727	0	23	26	13	00	25
24	✓	✓		735	732	730	730	731	731	727	724	724	726	723	718	710	707	716	721	720	720	724	727	730	732	736	736	725	0	22	51	13	44	39
25	✓	✓		732	731	730	732	734	734	734	734	735	737	728	727	724	729	734	733	730	731	731	729	730	731	732	731	731	0	9	11	12	37	20
26				733	730	730	731	734	737	737	734	727	727	724	717	706	707	713	720	725	728	726	727	731	728	735	734	727	1	6	46	13	00	35
27			✓	727	730	734	734	739	740	744	737	729	723	712	711	705	706	713	719	723	730	733	760	775	772	779	776	735	1	23	16	13	30	88
28				744	752	751	736	742	729	722	700	698	709	698	702	710	720	724	735	742	742	740	737	737	741	743	745	729	0	4	08	7	50	83
29				748	743	737	734	734	738	748	751	747	731	703	689	690	702	713	722	727	745	741	741	742	743	741	740	731	0	7	13	11	55	68
30				735	734	731	726	723	739	747	754	744	723	697	688	689	698	709	723	730	738	743	744	744	743	743	738	728	0	7	53	11	49	74
31				738	732	729	731	730	737	740	757	746	719	686	673	676	686	701	718	729	733	735	735	734	736	738	737	724	0	7	16	11	38	87
MEANS ALL DAYS				730	728	725	722	724	728	730	729	729	725	716	706	699	699	704	712	720	726	729	732	733	734	736	734	723						62
MEANS TEN DAYS ✱				725	724	722	721	722	724	725	724	725	723	716	706	698	696	701	708	714	720	723	723	725	725	726	727	718						44
MEANS FIVE DAYS † (G. M. T.)				724	723	722	723	726	727	729	725 729	723 727	721	715	707	700	699	706	713	719	723	724	724	725	725	725	725	720						
MEANS FIVE DAYS ‡ (G. M. T.)				741	742	736	721	728	731	728	721	727	724	716	708	699	698	705	711	729	732	736	748	750	753	762	754	729						

DESIGNATIONS AND REMARKS

✱ = TEN LEAST DISTURBED DAYS
† = FIVE INTERNATIONAL QUIET DAYS
‡ = FIVE INTERNATIONAL DISTURBED DAYS
[ ] = APPROXIMATE, MAGNETIC STORM
( ) = INTERPOLATED
[ ] = ESTIMATED
▽ = LAMP OUT
△ = RECORD OFF SHEET
□ = CLOCK STOPPED
Δ̄ = NO RECORD

TABLES 354-416

DIURNAL VARIATION IN DECLINATION (D), INCLINATION (I), HORIZONTAL INTENSITY (H), NORTH COMPONENT (X), EAST COMPONENT (Y), VERTICAL INTENSITY (Z), AND TOTAL INTENSITY (F), UNCORRECTED FOR NONCYCLIC CHANGE, 1936-1944

CONTENTS

Diurnal variation in declination (D), inclination (I), horizontal intensity (H), north component (X), east component (Y), vertical intensity (Z), and total intensity (F), uncorrected for noncyclic change

Year	Table	Page
1936	354-360	394
1937	361-367	408
1938	368-374	422
1939	375-381	436
1940	382-388	450
1941	389-395	464
1942	396-402	478
1943	403-409	492
1944	410-416	506

TABLE 354

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	+0.1	0.0	+0.1	+0.1	+0.1	-0.4	-1.8	-3.4	-4.7	-5.0	-4.0	-2.1	-0.0	+2.3	+3.8	+4.3	+3.5	+2.5	+1.8	+1.2	+0.8	+0.4	+0.2	+0.1	1.78
FEB	I	-0.8	-0.6	-0.2	+0.3	+0.4	+0.5	-0.7	-2.5	-4.7	-6.1	-5.8	-3.8	-0.7	+2.8	+5.0	+5.5	+4.6	+3.2	+2.0	+1.3	+1.0	+0.2	-0.1	-0.6	2.22
MAR	II	-0.3	-0.3	-0.1	-0.1	0.0	0.0	-0.5	-1.7	-3.2	-4.4	-4.9	-3.5	-1.0	+1.8	+3.8	+4.3	+3.6	+2.7	+1.7	+1.0	+0.7	+0.4	+0.1	-0.1	1.67
APR	II	-0.8	-0.7	-0.4	-0.2	+0.1	+0.3	-0.3	-1.2	-2.7	-3.7	-3.4	-1.8	+0.3	+2.2	+3.4	+3.4	+2.8	+1.9	+1.4	+0.9	0.0	-0.4	-0.4	-0.8	1.39
MAY	III	-0.4	-0.3	0.0	0.0	0.0	-0.1	+0.1	-0.2	-1.3	-2.2	-2.5	-1.9	-0.6	+0.9	+2.4	+3.0	+2.3	+1.3	+0.9	+0.4	-0.1	-0.5	-0.6	-0.6	0.95
JUN	III	-0.6	-0.2	0.0	+0.1	0.0	+0.1	+0.3	+0.5	-0.1	-1.0	-1.5	-1.3	-0.5	+0.5	+1.5	+2.1	+1.9	+1.0	+0.4	-0.2	-0.5	-0.8	-1.0	-0.8	0.71
JUL	III	-0.8	-0.6	0.0	+0.1	+0.1	+0.5	+0.5	+0.6	+0.1	-1.0	-1.6	-1.3	-0.7	+0.1	+1.1	+1.9	+1.8	+1.0	+0.7	+0.5	-0.1	-0.7	-1.1	-1.1	0.75
AUG	III	-0.2	-0.2	-0.1	+0.0	+0.3	+0.5	+0.6	+0.5	-0.8	-2.3	-3.2	-3.0	-2.0	-0.3	+1.8	+3.1	+2.8	+1.5	+0.8	+0.6	+0.3	0.0	-0.2	-0.2	1.05
SEP	II	-0.2	0.0	0.0	+0.1	+0.1	+0.1	-0.1	-1.4	-3.1	-4.3	-4.3	-2.9	-0.4	+2.1	+3.4	+3.5	+3.0	+2.0	+1.2	+0.9	+0.5	+0.1	-0.1	-0.2	1.42
OCT	II	-0.3	-0.5	-0.3	-0.2	-0.2	-0.6	-2.0	-3.9	-5.8	-6.4	-5.0	-1.8	+1.8	+4.4	+5.4	+5.2	+3.9	+2.4	+1.6	+1.3	+0.8	+0.4	+0.1	-0.3	2.28
NOV	I	-0.3	+0.1	+0.3	+0.2	-0.1	-0.9	-2.5	-4.7	-6.3	-6.3	-4.6	-1.2	+2.0	+4.4	+5.4	+5.3	+3.9	+2.4	+1.4	+1.1	+0.7	+0.2	-0.2	-0.2	2.28
DEC	I	0.0	+0.2	+0.3	+0.2	0.0	-1.1	-2.7	-4.5	-6.0	-6.5	-4.7	-1.5	+1.6	+3.8	+5.1	+4.9	+3.8	+2.5	+1.4	+1.0	+1.0	+0.7	+0.4	+0.2	2.26
MEANS	I	-0.2	-0.1	+0.1	+0.2	+0.1	+0.5	-1.9	-3.8	-5.4	-6.0	-4.8	-2.2	+0.7	+3.3	+4.8	+5.0	+3.9	+2.6	+1.6	+1.2	+0.9	+0.4	+0.1	-0.1	2.08
	II	-0.4	-0.4	-0.2	-0.1	0.0	0.0	-0.7	-2.1	-3.7	-4.7	-4.4	-2.5	+0.2	+2.6	+4.0	+4.1	+3.3	+2.2	+1.5	+1.0	+0.5	+0.1	-0.1	-0.3	1.64
	III	-0.5	-0.3	0.0	0.0	+0.1	+0.3	+0.4	+0.4	-0.5	-1.6	-2.2	-1.9	-1.0	+0.3	+1.7	+2.5	+2.2	+1.2	+0.7	+0.3	-0.1	-0.5	-0.8	-0.7	0.84
	YEAR	-0.4	-0.2	0.0	+0.1	+0.1	-0.1	-0.8	-1.8	-3.2	-4.1	-3.8	-2.2	0.0	+2.1	+3.5	+3.9	+3.2	+2.0	+1.3	+0.8	+0.4	0.0	-0.3	-0.4	1.44

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	+0.3	+0.3	+0.4	+0.3	+0.2	-0.2	-1.3	-2.9	-4.4	-5.0	-4.3	-2.9	-1.1	+1.4	+3.5	+4.0	+3.3	+2.5	+1.7	+1.2	+1.1	+0.9	+0.6	+0.4	1.84
FEB	I	-0.1	-0.3	-0.1	-0.1	-0.1	-0.3	-1.3	-3.2	-5.4	-6.9	-6.5	-4.1	-0.5	+3.2	+5.6	+6.3	+5.0	+3.3	+2.0	+1.5	+1.2	+0.5	+0.4	+0.2	2.43
MAR	II	0.0	+0.2	+0.2	+0.1	-0.1	-0.2	-0.6	-1.7	-3.8	-5.7	-6.4	-4.8	-1.6	+1.7	+4.1	+4.9	+4.2	+3.0	+2.0	+1.6	+1.3	+0.9	+0.6	+0.3	2.08
APR	II	-0.4	-0.3	0.0	-0.1	+0.1	+0.2	-0.7	-2.0	-3.5	-4.5	-4.0	-2.5	-0.1	+2.0	+3.4	+3.5	+3.2	+2.1	+1.4	+1.1	+0.6	+0.3	0.0	+0.1	1.50
MAY	III	-0.2	+0.1	+0.1	-0.1	-0.2	-0.3	-0.3	-0.7	-1.5	-2.6	-2.8	-2.1	-0.7	+0.9	+2.3	+2.8	+2.2	+1.4	+1.0	+0.6	+0.2	0.0	-0.2	-0.1	0.98
JUN	III	-0.3	-0.1	+0.1	+0.2	+0.1	+0.1	0.0	+0.2	-0.5	-1.3	-1.8	-1.5	-0.6	+0.4	+1.3	+2.0	+1.7	+0.7	+0.3	0.0	-0.2	-0.3	-0.3	-0.2	0.60
JUL	III	-0.2	-0.3	0.0	0.0	0.0	0.0	+0.1	+0.4	-0.2	-1.2	-1.8	-1.7	-1.0	0.0	+1.1	+1.9	+1.9	+1.0	+0.4	+0.3	+0.1	-0.3	-0.4	-0.3	0.61
AUG	III	-0.3	-0.3	-0.1	-0.1	+0.1	+0.4	+0.8	+0.7	-0.7	-2.4	-3.4	-3.4	-2.5	-0.5	+1.7	+3.1	+2.9	+1.7	+1.0	+0.8	+0.5	+0.4	0.0	-0.1	1.16
SEP	II	+0.1	0.0	0.0	+0.1	+0.2	+0.2	+0.1	-1.0	-2.9	-4.1	-4.4	-3.2	-0.9	+1.6	+3.0	+3.2	+2.8	+1.8	+1.0	+0.9	+0.6	+0.5	+0.3	+0.2	1.37
OCT	II	-0.2	-0.1	0.0	0.0	-0.2	-0.7	-1.9	-3.9	-5.5	-6.3	-5.1	-1.8	+1.9	+4.4	+5.2	+4.7	+3.4	+1.9	+1.2	+1.0	+1.0	+0.6	+0.4	+0.1	2.14
NOV	I	-0.3	+0.2	+0.5	+0.4	0.0	-1.0	-2.5	-4.5	-6.0	-6.0	-4.8	-2.0	+1.3	+3.7	+4.8	+4.8	+3.8	+2.4	+1.6	+1.2	+1.0	+0.6	+0.5	+0.3	2.26
DEC	I	+0.1	+0.2	+0.4	+0.3	0.0	-1.0	-2.7	-4.6	-5.5	-5.7	-3.9	-1.0	+1.5	+3.4	+4.3	+4.3	+3.4	+2.1	+1.1	+0.9	+0.9	+0.7	+0.5	+0.5	2.03
MEANS	I	0.0	+0.1	+0.3	+0.2	+0.1	-0.6	-1.9	-3.8	-5.3	-5.9	-4.9	-2.5	+0.3	+2.9	+4.6	+4.8	+3.9	+2.6	+1.6	+1.2	+1.0	+0.7	+0.5	+0.4	2.09
	II	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.8	-2.1	-3.9	-5.1	-5.0	-3.1	-0.2	+2.4	+3.9	+4.1	+3.4	+2.2	+1.4	+1.1	+0.9	+0.6	+0.3	+0.2	1.71
	III	-0.3	-0.1	0.0	0.0	0.0	0.0	+0.2	+0.2	-0.7	-1.9	-2.4	-2.2	-1.2	+0.2	+1.6	+2.4	+2.2	+1.2	+0.7	+0.4	+0.1	0.0	-0.2	-0.2	0.77
	YEAR	-0.1	0.0	+0.1	+0.1	0.0	-0.2	-0.9	-1.9	-3.3	-4.3	-4.1	-2.6	-0.4	+1.8	+3.4	+3.8	+3.1	+2.0	+1.2	+0.9	+0.7	+0.4	+0.2	+0.1	1.49

TABLE 354--CONCLUDED

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST. I DOWN. H. Z TOWARD NADIR. X NORTHWARD. Y EASTWARD. AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	-4.2	-5.1	-4.5	-3.1	-1.3	+1.2	+3.2	+3.8	+3.3	+2.5	+1.9	+1.4	+1.4	+1.1	+0.8	+0.6	+0.4	+0.4	+0.5	+0.3	+0.2	-0.3	-1.5	-2.9	1.90
FEB	I	-5.6	-7.3	-6.6	-4.2	-1.0	+2.4	+4.7	+5.9	+5.0	+3.8	+2.3	+1.5	+1.2	+0.6	+0.6	+0.4	+0.3	+0.3	+0.3	+0.2	+0.1	-0.4	-1.5	-3.1	2.47
MAR	II	-3.7	-6.0	-7.0	-5.4	-2.2	+1.5	+4.2	+5.4	+4.5	+3.2	+2.3	+1.8	+1.5	+1.1	+0.7	+0.5	+0.3	+0.2	+0.1	+0.1	0.0	-0.2	-0.8	-2.1	2.29
APR	II	-3.7	-4.6	-4.0	-2.2	+0.1	+2.1	+3.4	+3.6	+3.3	+2.1	+1.5	+1.3	+0.6	+0.3	+0.2	+0.2	+0.2	+0.2	0.0	0.0	-0.3	-0.5	-1.2	-2.5	1.58
MAY	III	-1.8	-2.9	-3.1	-2.3	-0.7	+1.1	+2.6	+2.9	+2.2	+1.5	+1.0	+0.5	+0.2	+0.1	0.0	0.0	0.0	0.0	+0.1	0.0	-0.1	-0.2	-0.2	-0.7	1.01
JUN	III	-0.7	-1.5	-1.9	-1.6	-0.8	+0.2	+1.4	+2.2	+1.7	+0.6	+0.2	0.0	-0.2	-0.4	-0.4	-0.2	-0.1	0.0	+0.2	+0.3	+0.3	+0.3	+0.3	+0.2	0.65
JUL	III	-0.4	-1.5	-2.0	-1.8	-1.0	0.0	+1.1	+1.9	+1.8	+1.0	+0.4	+0.3	-0.1	-0.2	-0.2	-0.1	-0.3	-0.1	0.0	+0.1	+0.2	+0.2	+0.3	+0.4	0.64
AUG	III	-0.8	-2.6	-3.6	-3.7	-2.7	-0.7	+1.7	+3.0	+2.8	+1.5	+0.9	+0.7	+0.5	+0.4	+0.2	0.0	0.0	+0.1	+0.2	+0.2	+0.2	+0.4	+0.6	+0.6	1.18
SEP	II	-2.9	-4.1	-4.3	-3.1	-0.9	+1.6	+2.9	+3.1	+2.6	+1.7	+0.9	+0.7	+0.6	+0.5	+0.4	+0.3	+0.3	+0.2	+0.3	+0.3	+0.1	0.0	-0.1	-1.1	1.37
OCT	II	-5.4	-6.0	-4.5	-1.7	+1.7	+4.1	+4.9	+4.5	+3.2	+1.8	+1.3	+1.1	+1.0	+0.8	+0.4	0.0	-0.1	0.0	0.0	0.0	-0.4	-0.7	-1.9	-3.7	2.06
NOV	I	-5.5	-5.7	-5.0	-2.2	+0.8	+3.2	+4.6	+4.8	+4.0	+2.7	+1.6	+1.0	+0.9	+0.7	+0.6	+0.4	+0.1	+0.3	+0.3	+0.1	-0.3	-0.9	-2.4	-4.1	2.17
DEC	I	-4.8	-4.8	-3.3	-0.8	+1.5	+2.9	+3.8	+3.8	+3.1	+2.2	+1.2	+0.9	+0.7	+0.6	+0.2	+0.3	+0.3	+0.3	+0.2	0.0	-0.2	-1.1	-2.5	-4.2	1.82
MEANS	I	-5.0	-5.7	-4.8	-2.6	0.0	+2.4	+4.0	+4.6	+3.9	+2.8	+1.7	+1.2	+1.1	+0.7	+0.5	+0.4	+0.3	+0.3	+0.3	+0.2	0.0	-0.7	-2.0	-3.6	2.04
	II	-3.9	-5.2	-5.0	-3.1	-0.3	+2.3	+3.9	+4.1	+3.4	+2.2	+1.5	+1.2	+0.9	+0.6	+0.4	+0.3	+0.2	+0.1	+0.1	+0.1	-0.2	-0.4	-1.0	-2.4	1.78
	III	-1.0	-2.1	-2.6	-2.4	-1.3	+0.2	+1.7	+2.5	+2.1	+1.2	+0.6	+0.4	+0.1	0.0	-0.1	-0.1	-0.1	0.0	+0.1	+0.2	+0.2	+0.2	+0.2	+0.1	0.81
	YEAR	-3.3	-4.3	-4.2	-2.7	-0.5	+1.6	+3.2	+3.7	+3.1	+2.0	+1.3	+0.9	+0.7	+0.4	+0.3	+0.2	+0.1	+0.2	+0.2	+0.1	0.0	-0.3	-0.9	-1.9	1.51

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	-4.6	-4.0	-2.6	-0.5	+1.5	+2.9	+3.6	+4.0	+3.4	+2.4	+1.3	+0.5	-0.1	-0.1	-0.8	-0.2	+0.0	-0.3	-1.0	-0.8	-0.7	+0.8	-1.6	-3.1	1.69
FEB	I	-4.0	-5.0	-5.5	-4.3	-1.5	+2.0	+4.5	+4.8	+4.3	+3.2	+2.2	+0.8	+0.9	-0.8	-1.8	-1.9	-2.0	-1.0	0.0	+0.9	+2.0	+2.8	+0.9	-1.6	2.46
MAR	II	-2.1	-3.2	-3.4	-2.1	-0.1	+1.9	+3.6	+3.5	+2.9	+2.4	+1.0	-0.9	-0.4	-1.1	-1.4	-0.8	-1.2	-1.2	+0.2	-0.1	+0.4	+1.3	+0.7	-0.1	1.50
APR	II	+0.2	-0.9	-1.2	-0.3	+0.4	+1.8	+2.2	+2.1	+1.6	+1.1	+0.2	-0.2	-2.1	-2.8	-2.1	-2.4	-1.6	-1.5	-0.6	+0.3	+0.4	+1.6	+1.9	+2.0	1.32
MAY	III	-1.0	-1.8	-2.1	-1.5	-0.3	+1.4	+2.8	+3.1	+2.3	+0.9	+0.5	-0.1	-1.0	-1.3	-1.4	-1.3	-0.7	-0.6	+0.2	+0.7	+0.1	+0.5	+0.6	0.0	1.10
JUN	III	+0.6	-0.5	-1.5	-1.1	+0.1	+1.5	+2.5	+3.0	+3.0	+2.4	+1.1	-0.6	-1.6	-2.6	-3.0	-2.0	-1.0	-0.2	-0.4	-0.3	-0.3	+0.3	0.0	+0.7	1.27
JUL	III	+0.5	-0.2	-0.9	-1.1	-0.4	+0.3	+1.5	+2.2	+2.5	+2.3	+2.2	+1.7	0.0	-1.4	-3.6	-4.2	-3.0	-2.2	-1.0	-0.7	0.0	+1.7	+2.2	+1.4	1.55
AUG	III	+0.2	-1.4	-2.4	-2.4	-2.0	-0.9	+1.2	+2.6	+2.7	+1.5	+0.7	+0.2	-0.1	-0.3	-0.6	-0.2	-0.3	-0.4	-0.4	0.0	+0.9	+0.4	+0.4	+0.6	0.95
SEP	II	-3.6	-4.2	-3.2	-0.9	+2.0	+4.6	+5.5	+4.0	+3.2	+2.1	+1.3	+0.8	-0.3	-1.5	-1.4	-1.8	-1.5	-0.4	-0.7	-0.1	-0.3	-0.5	-0.6	-2.4	1.96
OCT	II	-5.3	-6.2	-4.3	-0.9	+2.8	+5.6	+5.2	+5.0	+5.2	+3.2	+2.7	+2.5	+0.6	0.0	+0.1	-0.5	-1.2	-2.1	-1.5	-1.3	-0.3	-1.3	-3.5	-4.5	2.74
NOV	I	-8.9	-7.7	-4.5	-0.2	+3.6	+6.7	+7.2	+7.4	+5.4	+3.5	+1.7	+1.1	-0.1	-1.5	-2.1	-1.4	-1.3	-0.2	-0.3	-0.6	0.0	-0.6	-2.6	-4.7	3.06
DEC	I	-7.1	-7.2	-4.9	-0.9	+2.9	+5.5	+6.6	+5.8	+4.4	+3.4	+1.8	+0.8	+0.9	+0.5	+0.2	+0.1	-0.4	-0.1	+0.2	-0.5	-0.6	-1.5	-3.7	-6.2	2.77
MEANS	I	-6.2	-6.0	-4.4	-1.5	+1.6	+4.3	+5.5	+5.5	+4.4	+3.1	+1.8	+0.8	+0.4	-0.4	-1.1	-0.8	-0.9	-0.4	-0.2	-0.2	+0.2	+0.4	-1.8	-3.9	2.33
	II	-2.7	-3.6	-3.0	-1.0	+1.3	+3.5	+4.1	+3.7	+3.3	+2.2	+1.3	+0.5	-0.6	-1.4	-1.2	-1.4	-1.4	-1.3	-0.7	-0.3	+0.1	+0.3	-0.4	-1.2	1.68
	III	+0.1	-1.0	-1.7	-1.5	-0.7	+0.6	+2.0	+2.7	+2.6	+1.8	+1.1	+0.3	-0.7	-1.4	-2.2	-1.9	-1.3	-0.9	-0.4	-0.1	+0.2	+0.7	+0.8	+0.7	1.13
	YEAR	-2.9	-3.5	-3.0	-1.4	+0.8	+2.8	+3.9	+4.0	+3.4	+2.4	+1.4	+0.5	-0.3	-1.1	-1.5	-1.4	-1.2	-0.9	-0.4	-0.2	+0.1	+0.5	-0.4	-1.5	1.64

TABLE 355

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.08	-0.01	+0.11	+0.11	+0.20	+0.15	+0.12	-0.08	-0.18	-0.12	-0.09	+0.02	+0.33	+0.64	+0.55	+0.39	+0.01	-0.13	-0.33	-0.44	-0.35	-0.32	-0.34	-0.17	0.22
FEB	I	-0.05	+0.10	+0.25	+0.39	+0.31	+0.41	+0.27	-0.04	-0.56	-0.90	-0.75	-0.34	+0.15	+0.69	+0.87	+0.68	+0.27	-0.07	-0.26	-0.25	-0.28	-0.33	-0.28	-0.27	0.37
MAR	II	-0.10	+0.03	+0.17	+0.34	+0.41	+0.35	+0.30	+0.16	-0.17	-0.24	-0.15	+0.27	+0.45	+0.50	+0.38	+0.17	-0.15	-0.43	-0.46	-0.46	-0.44	-0.40	-0.33	-0.20	0.29
APR	II	+0.05	+0.34	+0.44	+0.47	+0.62	+0.56	+0.44	+0.22	+0.06	-0.05	+0.03	+0.21	+0.22	0.00	-0.23	-0.40	-0.54	-0.44	-0.36	-0.49	-0.44	-0.36	-0.23	-0.16	0.31
MAY	III	-0.05	+0.11	+0.33	+0.37	+0.33	+0.39	+0.45	+0.53	+0.58	+0.47	+0.22	+0.04	-0.11	-0.28	-0.43	-0.38	-0.42	-0.26	-0.24	-0.31	-0.44	-0.47	-0.25	-0.13	0.32
JUN	III	-0.03	+0.14	+0.22	+0.37	+0.30	+0.32	+0.35	+0.53	+0.59	+0.53	+0.29	+0.08	-0.02	-0.12	-0.25	-0.38	-0.41	-0.41	-0.42	-0.40	-0.38	-0.37	-0.33	-0.17	0.31
JUL	III	-0.26	-0.14	+0.14	+0.14	+0.22	+0.35	+0.51	+0.67	+0.59	+0.53	+0.53	+0.55	+0.36	+0.07	-0.04	-0.17	-0.27	-0.27	-0.35	-0.54	-0.72	-0.71	-0.68	-0.50	0.39
AUG	III	-0.17	-0.02	+0.08	+0.13	+0.24	+0.29	+0.42	+0.53	+0.40	+0.16	-0.02	-0.12	-0.07	+0.14	+0.06	-0.04	-0.16	-0.16	-0.12	-0.17	-0.32	-0.36	-0.35	-0.31	0.20
SEP	II	-0.34	-0.10	-0.05	+0.11	+0.17	+0.21	+0.34	+0.36	+0.23	+0.17	+0.24	+0.53	+0.61	+0.47	+0.16	-0.10	-0.14	-0.29	-0.32	-0.38	-0.48	-0.54	-0.50	-0.35	0.30
OCT	II	-0.05	+0.03	+0.09	+0.27	+0.26	+0.23	+0.12	-0.08	-0.51	-0.55	-0.20	+0.33	+0.67	+0.76	+0.70	+0.46	+0.06	-0.26	-0.34	-0.40	-0.50	-0.47	-0.44	-0.18	0.33
NOV	I	-0.10	+0.12	+0.10	+0.08	+0.03	+0.04	+0.10	-0.10	-0.30	-0.15	+0.08	+0.54	+0.72	+0.77	+0.44	+0.20	-0.19	-0.38	-0.42	-0.32	-0.28	-0.38	-0.33	-0.23	0.27
DEC	I	-0.14	-0.06	-0.08	-0.17	-0.15	-0.09	+0.06	-0.04	-0.19	-0.03	+0.27	+0.61	+0.76	+0.67	+0.44	+0.12	-0.06	-0.22	-0.38	-0.32	-0.22	-0.24	-0.30	-0.22	0.24
MEANS	I	-0.09	+0.04	+0.10	+0.10	+0.10	+0.13	+0.14	-0.06	-0.31	-0.30	-0.12	+0.21	+0.49	+0.69	+0.58	+0.35	+0.01	-0.20	-0.35	-0.33	-0.28	-0.32	-0.31	-0.22	0.24
	II	-0.11	+0.08	+0.16	+0.30	+0.36	+0.34	+0.30	+0.16	-0.10	-0.17	-0.02	+0.34	+0.49	+0.43	+0.25	+0.03	-0.19	-0.36	-0.37	-0.43	-0.46	-0.44	-0.38	-0.22	0.27
	III	-0.13	+0.02	+0.19	+0.25	+0.27	+0.34	+0.43	+0.56	+0.54	+0.42	+0.26	+0.14	+0.04	-0.05	-0.16	-0.24	-0.32	-0.28	-0.28	-0.36	-0.46	-0.48	-0.40	-0.28	0.29
	YEAR	-0.11	+0.04	+0.15	+0.22	+0.24	+0.27	+0.29	+0.22	+0.04	-0.02	+0.04	+0.23	+0.34	+0.36	+0.22	+0.05	-0.17	-0.28	-0.33	-0.37	-0.40	-0.41	-0.36	-0.24	0.22

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.23	-0.19	-0.21	-0.25	-0.17	-0.11	-0.08	-0.07	-0.03	+0.13	+0.20	+0.17	+0.37	+0.58	+0.59	+0.30	+0.04	-0.04	-0.14	-0.23	-0.16	-0.12	-0.19	-0.18	0.20
FEB	I	-0.24	-0.06	+0.05	0.00	+0.02	+0.05	+0.04	-0.15	-0.61	-0.80	-0.62	-0.26	+0.21	+0.67	+0.90	+0.83	+0.48	+0.12	-0.11	-0.02	0.00	-0.19	-0.24	-0.12	0.28
MAR	II	-0.27	-0.18	-0.05	+0.04	+0.07	+0.11	+0.14	+0.18	-0.20	-0.39	-0.29	+0.25	+0.57	+0.69	+0.64	+0.45	+0.01	-0.23	-0.24	-0.21	-0.27	-0.30	-0.28	-0.28	0.26
APR	II	-0.05	+0.09	+0.16	+0.11	+0.30	+0.24	+0.19	+0.18	-0.01	-0.12	-0.17	+0.01	-0.01	-0.06	-0.09	-0.10	-0.08	-0.10	0.00	-0.01	-0.09	-0.14	-0.18	-0.04	0.11
MAY	III	-0.14	+0.03	+0.11	+0.14	+0.15	+0.15	+0.19	+0.29	+0.36	+0.20	-0.12	-0.19	-0.21	-0.20	-0.28	-0.20	-0.08	+0.05	+0.04	-0.02	-0.12	-0.17	-0.04	+0.05	0.15
JUN	III	-0.23	-0.21	-0.09	0.00	-0.04	+0.05	+0.12	+0.28	+0.26	+0.10	+0.01	+0.06	+0.01	-0.09	-0.11	-0.09	-0.07	+0.10	+0.05	+0.09	-0.02	-0.09	-0.08	-0.05	0.10
JUL	III	-0.25	-0.20	-0.10	-0.06	+0.05	+0.14	+0.29	+0.44	+0.34	+0.23	+0.24	+0.30	+0.21	+0.16	+0.06	-0.22	-0.35	-0.19	-0.03	-0.12	-0.24	-0.28	-0.27	-0.21	0.21
AUG	III	-0.25	-0.14	-0.06	0.00	+0.09	+0.19	+0.31	+0.48	+0.40	+0.20	+0.01	-0.11	+0.01	+0.21	+0.19	-0.01	-0.21	-0.23	-0.08	-0.09	-0.20	-0.25	-0.27	-0.26	0.18
SEP	II	-0.36	-0.18	-0.12	-0.01	+0.05	+0.12	+0.26	+0.31	+0.14	+0.02	+0.04	+0.27	+0.30	+0.25	+0.01	-0.17	-0.18	-0.20	-0.09	-0.06	-0.07	-0.09	-0.10	-0.10	0.15
OCT	II	-0.21	-0.17	-0.03	+0.02	+0.02	0.00	-0.07	-0.31	-0.66	-0.66	-0.18	+0.52	+0.88	+0.90	+0.72	+0.38	+0.06	-0.19	-0.19	-0.13	-0.16	-0.19	-0.21	-0.12	0.29
NOV	I	-0.23	-0.09	-0.05	+0.01	-0.03	+0.02	+0.07	-0.03	-0.16	-0.14	-0.14	+0.12	+0.34	+0.46	+0.41	+0.24	+0.06	-0.05	-0.16	-0.10	-0.12	-0.15	-0.16	-0.07	0.14
DEC	I	-0.14	-0.18	-0.17	-0.18	-0.20	-0.11	+0.07	-0.05	-0.11	+0.05	+0.34	+0.57	+0.65	+0.57	+0.40	+0.02	-0.08	-0.18	-0.29	-0.21	-0.14	-0.20	-0.22	-0.21	0.22
MEANS	I	-0.21	-0.13	-0.10	-0.10	-0.10	-0.04	+0.02	-0.08	-0.23	-0.19	-0.06	+0.15	+0.39	+0.57	+0.58	+0.35	+0.12	-0.04	-0.18	-0.14	-0.10	-0.16	-0.20	-0.14	0.18
	II	-0.22	-0.11	-0.01	+0.04	+0.11	+0.12	+0.13	+0.09	-0.18	-0.29	-0.15	+0.26	+0.44	+0.44	+0.32	+0.14	-0.05	-0.18	-0.13	-0.10	-0.15	-0.18	-0.19	-0.14	0.17
	III	-0.22	-0.13	-0.04	+0.02	+0.06	+0.13	+0.23	+0.37	+0.34	+0.18	+0.04	+0.02	0.00	+0.02	-0.04	-0.13	-0.18	-0.07	0.00	-0.04	-0.14	-0.20	-0.16	-0.12	0.12
	YEAR	-0.22	-0.12	-0.05	-0.02	+0.03	+0.07	+0.13	+0.13	-0.02	-0.10	-0.06	+0.14	+0.28	+0.34	+0.29	+0.12	-0.03	-0.10	-0.10	-0.09	-0.13	-0.18	-0.19	-0.13	0.13

TABLE 355--CONCLUDED

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	-0.06	+0.21	+0.33	+0.42	+0.62	+0.73	+0.62	+0.28	+0.06	-0.16	-0.23	-0.33	-0.26	-0.27	-0.35	-0.35	-0.36	-0.38	-0.24	-0.16	-0.07	+0.04	-0.02	-0.10	0.28
FEB	I	-0.81	-0.84	-0.42	-0.22	+0.12	+0.49	+0.69	+0.75	+0.40	+0.04	-0.15	+0.11	-0.10	-0.30	-0.26	-0.19	-0.07	+0.04	+0.11	+0.12	+0.17	+0.24	+0.28	+0.05	0.29
MAR	II	-0.38	-0.59	-0.40	+0.35	+0.77	+0.93	+0.84	+0.69	+0.19	-0.15	-0.19	-0.17	-0.30	-0.36	-0.38	-0.39	-0.32	-0.25	-0.15	-0.03	+0.08	+0.12	+0.14	0.00	0.34
APR	II	-0.33	-0.45	-0.44	-0.05	+0.03	+0.01	-0.01	-0.06	-0.14	-0.21	-0.14	-0.08	-0.09	-0.03	-0.03	-0.04	+0.02	+0.20	+0.27	+0.27	+0.32	+0.36	+0.32	+0.32	0.18
MAY	III	+0.06	-0.17	-0.42	-0.60	-0.54	-0.26	-0.18	-0.09	+0.02	+0.08	+0.07	-0.04	-0.09	-0.06	-0.05	0.00	+0.04	+0.13	+0.25	+0.30	+0.33	+0.33	+0.38	+0.46	0.21
JUN	III	+0.30	+0.21	-0.01	+0.06	+0.07	-0.12	-0.09	-0.06	-0.17	+0.07	-0.02	-0.01	-0.16	-0.28	-0.22	-0.13	-0.06	-0.04	+0.01	0.00	+0.06	+0.09	+0.14	+0.34	0.11
JUL	III	+0.19	+0.14	+0.25	+0.25	+0.11	+0.05	-0.18	-0.41	-0.37	-0.17	-0.11	-0.17	-0.21	-0.21	-0.19	-0.14	-0.04	-0.07	+0.03	+0.04	+0.11	+0.22	+0.34	+0.58	0.19
AUG	III	+0.28	+0.15	+0.01	-0.07	+0.02	+0.20	+0.24	+0.08	-0.10	-0.18	-0.10	-0.05	-0.18	-0.28	-0.34	-0.38	-0.29	-0.15	0.00	+0.06	+0.10	+0.20	+0.34	+0.50	0.18
SEP	II	-0.11	-0.14	-0.13	+0.06	+0.25	+0.40	+0.22	-0.07	-0.19	-0.24	-0.10	-0.13	-0.17	-0.17	-0.18	-0.18	-0.13	-0.07	-0.02	+0.12	+0.16	+0.19	+0.29	+0.27	0.17
OCT	II	-0.69	-0.69	-0.21	+0.39	+0.64	+0.65	+0.64	+0.40	+0.20	-0.04	-0.09	-0.17	-0.25	-0.26	-0.30	-0.26	-0.15	-0.08	+0.02	+0.08	+0.11	+0.10	+0.06	-0.16	0.28
NOV	I	+0.03	+0.03	-0.14	+0.03	+0.22	+0.37	+0.38	+0.17	-0.08	-0.16	-0.24	-0.26	-0.19	-0.16	-0.20	-0.12	-0.10	-0.07	-0.01	-0.01	-0.01	+0.11	+0.18	+0.14	0.14
DEC	I	+0.21	+0.46	+0.60	+0.57	+0.53	+0.50	+0.32	-0.01	-0.09	-0.22	-0.33	-0.24	-0.19	-0.24	-0.28	-0.32	-0.27	-0.24	-0.22	-0.30	-0.24	-0.11	+0.07	+0.01	0.27
MEANS	I	-0.16	-0.04	+0.09	+0.20	+0.37	+0.52	+0.50	+0.30	+0.07	-0.12	-0.24	-0.24	-0.18	-0.24	-0.27	-0.24	-0.20	-0.16	-0.09	-0.09	-0.04	+0.07	+0.13	+0.02	0.19
	II	-0.38	-0.47	-0.30	+0.19	+0.42	+0.50	+0.42	+0.24	+0.02	-0.16	-0.13	-0.14	-0.20	-0.20	-0.22	-0.22	-0.14	-0.05	+0.03	+0.11	+0.17	+0.19	+0.20	+0.11	0.22
	III	+0.21	+0.08	-0.04	-0.09	-0.08	-0.03	-0.05	-0.12	-0.16	-0.05	-0.04	-0.07	-0.16	-0.21	-0.20	-0.16	-0.09	-0.03	+0.07	+0.10	+0.15	+0.21	+0.30	+0.47	0.13
	YEAR	-0.11	-0.14	-0.08	+0.10	+0.24	+0.33	+0.29	+0.14	-0.02	-0.11	-0.14	-0.15	-0.18	-0.22	-0.23	-0.21	-0.14	-0.08	0.00	+0.04	+0.09	+0.16	+0.21	+0.20	0.15

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-18	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	+0.09	+0.30	+0.75	+0.83	+1.20	+1.32	+0.89	+0.46	-0.35	-0.47	-0.61	-0.68	-0.36	-0.75	-0.98	-0.44	-0.26	-0.13	+0.05	-0.17	-0.22	+0.10	+0.01	-0.55	0.50
FEB	I	-0.17	-0.62	-0.49	-0.37	-0.34	+0.50	+0.72	+0.43	-0.13	-0.42	-0.46	-0.58	-0.72	-0.80	-0.47	-0.56	-0.09	+0.30	+0.82	+0.95	+0.73	+1.10	+0.68	+0.03	0.52
MAR	II	+0.34	+0.34	+0.11	+0.39	+0.69	+0.79	+0.30	-0.15	-0.36	-1.12	-1.40	-1.18	-0.77	-0.77	-0.67	-0.23	-0.02	+0.04	+0.59	+0.88	+0.89	+0.56	+0.44	+0.27	0.55
APR	II	+0.29	+0.23	+0.18	+0.01	+0.20	-0.10	-0.91	-1.20	-1.36	-1.14	-0.74	-0.81	-0.95	-1.17	-0.60	-0.28	+0.30	+1.30	+1.37	+1.58	+1.38	+1.30	+0.89	+0.22	0.77
MAY	III	+1.00	+0.97	+0.75	+0.42	+0.13	-0.23	-0.46	-0.50	-0.91	-0.52	-0.37	-0.66	-0.83	-0.95	-0.74	-0.27	-0.01	+0.07	+0.44	+0.69	+0.54	+0.63	+0.55	+0.27	0.54
JUN	III	+2.31	+2.41	+1.73	+0.61	+0.05	+0.23	-0.53	-0.74	-1.34	-1.77	-2.04	-1.89	-1.34	-1.24	-0.92	-0.35	+0.18	+0.49	+0.53	+0.84	+0.71	+0.70	+0.63	+0.84	1.02
JUL	III	+1.75	+1.92	+1.92	+1.84	+1.67	+0.76	+0.67	+0.70	+0.36	-0.18	-0.62	-1.70	-2.50	-2.51	-2.35	-1.79	-1.05	-0.65	-0.08	-0.08	+0.25	+0.54	+0.67	+0.53	1.13
AUG	III	+0.73	+0.45	+0.18	-0.06	-0.01	+0.07	-0.18	-0.15	-0.27	-0.21	-0.24	-0.36	-0.74	-0.68	-0.65	-0.51	-0.14	+0.04	+0.23	+0.26	+0.61	+0.46	+0.50	+0.66	0.35
SEP	II	+0.53	+0.75	+1.06	+1.57	+1.68	+1.35	+0.77	-0.06	-0.03	-0.25	-0.43	-0.83	-1.39	-1.79	-1.33	-0.56	-0.79	-0.12	-0.30	+0.02	+0.04	-0.01	+0.04	+0.03	0.66
OCT	II	+0.34	+0.42	+0.83	+1.12	+1.21	+1.27	+1.17	+0.84	+0.15	-0.66	-1.07	-1.35	-1.52	-1.30	-0.93	-0.08	-0.13	+0.18	-0.03	+0.12	+0.12	-0.05	-0.27	-0.35	0.65
NOV	I	+0.72	+1.30	+2.29	+2.31	+1.69	+1.51	+0.60	+0.35	-0.85	-1.31	-1.17	-0.91	-0.97	-1.32	-1.26	-1.00	-0.71	-0.05	+0.06	-0.20	-0.26	-0.31	-0.19	-0.40	0.91
DEC	I	+0.07	+0.21	+0.50	+1.03	+1.41	+1.18	+0.62	+0.22	-0.19	-0.15	-0.62	-0.70	-0.49	-0.27	-0.68	-0.45	-0.18	+0.09	+0.10	-0.33	-0.39	-0.21	-0.26	-0.48	0.45
MEANS	I	+0.18	+0.30	+0.76	+0.95	+0.99	+1.13	+0.71	+0.36	-0.38	-0.59	-0.72	-0.72	-0.64	-0.78	-0.85	-0.61	-0.31	+0.05	+0.26	+0.06	-0.04	+0.17	+0.06	-0.35	0.50
	II	+0.38	+0.44	+0.54	+0.77	+0.94	+0.83	+0.33	-0.14	-0.40	-0.79	-0.91	-1.04	-1.16	-1.26	-0.88	-0.29	-0.16	+0.35	+0.41	+0.65	+0.61	+0.45	+0.28	+0.04	0.59
	III	+1.45	+1.44	+1.14	+0.70	+0.46	+0.21	-0.12	-0.17	-0.54	-0.67	-0.82	-1.15	-1.35	-1.34	-1.16	-0.73	-0.26	-0.01	+0.28	+0.43	+0.53	+0.58	+0.59	+0.58	0.70
	YEAR	+0.67	+0.72	+0.82	+0.81	+0.80	+0.72	+0.30	+0.02	-0.44	-0.68	-0.81	-0.97	-1.05	-1.13	-0.96	-0.54	-0.24	+0.13	+0.32	+0.38	+0.37	+0.40	+0.31	+0.09	0.57

TABLE 356

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	+ 2	+ 3	+ 3	+ 4	+ 5	+ 7	+ 6	+ 5	+ 2	- 3	- 8	- 8	- 5	- 4	- 1	- 2	- 1	- 2	- 4	- 2	- 1	- 1	+ 1	3.4
FEB	I	+ 4	+ 5	+ 6	+ 7	+ 5	+ 7	+ 9	+ 8	+ 2	- 6	-11	-13	-14	-10	- 4	- 1	0	0	0	+ 1	+ 1	+ 1	+ 2	+ 2	4.8
MAR	II	+ 2	+ 4	+ 5	+ 7	+ 8	+ 7	+ 8	+ 8	+ 5	+ 3	0	- 1	- 5	- 9	-10	- 8	- 7	- 6	- 4	- 3	- 2	- 1	0	+ 1	4.9
APR	II	+ 4	+ 8	+ 8	+ 8	+10	+ 9	+ 9	+ 8	+ 6	+ 3	0	- 3	- 8	-13	-15	-14	-11	- 6	- 3	- 4	- 2	0	+ 1	+ 2	6.6
MAY	III	+ 1	+ 3	+ 6	+ 6	+ 6	+ 7	+ 8	+10	+13	+11	+ 5	- 2	- 8	-14	-16	-13	- 9	- 3	- 2	- 2	- 3	- 4	0	+ 1	6.3
JUN	III	0	+ 2	+ 4	+ 6	+ 5	+ 6	+ 6	+ 8	+11	+12	+ 7	0	- 4	- 8	-11	-11	- 8	- 6	- 4	- 3	- 3	- 3	- 2	- 1	5.5
JUL	III	- 3	- 2	+ 2	+ 2	+ 3	+ 5	+ 8	+10	+11	+12	+11	+ 8	+ 2	- 4	- 7	- 8	- 7	- 3	- 4	- 7	- 8	- 8	- 7	- 5	6.2
AUG	III	- 1	+ 1	+ 2	+ 3	+ 4	+ 5	+ 7	+10	+12	+ 9	+ 6	0	- 5	- 8	-12	-12	- 8	- 2	0	0	- 2	- 3	- 3	- 3	4.9
SEP	II	- 2	0	+ 1	+ 3	+ 4	+ 5	+ 9	+12	+12	+10	+ 6	+ 3	- 3	- 9	-11	-10	- 6	- 4	- 3	- 3	- 4	- 4	- 4	- 2	5.5
OCT	II	+ 3	+ 4	+ 4	+ 6	+ 6	+ 8	+10	+ 9	+ 2	- 4	- 9	-11	-11	- 9	- 4	- 1	0	- 1	- 1	- 1	- 2	- 2	- 2	+ 2	4.7
NOV	I	+ 2	+ 4	+ 3	+ 3	+ 2	+ 5	+ 9	+ 8	+ 4	0	- 4	- 6	- 8	- 7	- 7	- 4	- 3	- 2	- 1	0	+ 1	- 1	0	+ 1	3.5
DEC	I	+ 1	+ 1	0	- 1	0	+ 4	+ 9	+10	+ 6	+ 4	- 1	- 5	- 7	- 8	- 8	- 6	- 2	0	0	0	+ 1	+ 1	0	0	3.2
MEANS	I	+ 2.1	+ 3.0	+ 3.0	+ 2.8	+ 3.0	+ 5.4	+ 8.6	+ 8.0	+ 4.4	+ 0.2	- 4.8	- 8.0	- 8.9	- 7.4	- 5.9	- 3.0	- 1.7	- 0.6	- 1.0	- 0.8	+ 0.2	+ 0.2	+ 0.1	+ 0.9	3.5
	II	+ 1.8	+ 4.0	+ 4.6	+ 6.2	+ 7.4	+ 7.4	+ 9.0	+ 9.5	+ 6.4	+ 3.2	- 0.6	- 3.0	- 7.0	-10.0	-10.3	- 8.4	- 6.0	- 4.2	- 2.8	- 2.8	- 2.4	- 1.8	- 1.2	+ 0.8	5.0
	III	- 0.7	+ 1.1	+ 3.3	+ 4.2	+ 4.6	+ 5.6	+ 7.0	+ 9.8	+11.9	+11.0	+ 7.1	+ 1.4	- 3.9	- 8.6	-11.8	-11.0	- 7.8	- 3.5	- 2.5	- 3.0	- 4.1	- 4.2	- 3.2	- 2.0	5.6
	YEAR	+ 1.1	+ 2.7	+ 3.7	+ 4.4	+ 5.0	+ 6.1	+ 8.2	+ 9.1	+ 7.6	+ 4.8	+ 0.6	- 3.2	- 6.6	- 8.7	- 9.3	- 7.5	- 5.2	- 2.8	- 2.1	- 2.2	- 2.1	- 1.9	- 1.4	- 0.1	4.4

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 1	0	- 1	- 2	- 1	+ 2	+ 4	+ 6	+ 7	+ 6	+ 3	- 4	- 6	- 4	- 3	- 3	- 2	0	0	- 1	0	0	0	0	2.3
FEB	I	0	+ 2	+ 3	+ 2	+ 2	+ 4	+ 6	+ 8	+ 3	- 3	- 9	-14	-14	-11	- 5	0	+ 3	+ 3	+ 2	+ 4	+ 5	+ 3	+ 2	+ 3	4.6
MAR	II	0	0	+ 2	+ 3	+ 4	+ 4	+ 6	+10	+ 8	+ 4	+ 1	0	- 5	- 9	- 8	- 6	- 6	- 4	- 2	- 1	- 1	- 1	0	- 1	3.5
APR	II	+ 2	+ 4	+ 4	+ 3	+ 6	+ 5	+ 6	+ 8	+ 7	+ 4	- 2	- 6	-12	-15	-14	-10	- 5	- 1	+ 2	+ 3	+ 3	+ 2	+ 2	+ 3	5.4
MAY	III	- 1	+ 1	+ 2	+ 3	+ 4	+ 4	+ 5	+ 8	+10	+ 8	0	- 6	-11	-13	-14	-10	- 4	+ 2	+ 2	+ 2	+ 2	+ 1	+ 2	+ 3	5.0
JUN	III	- 3	- 3	- 2	0	0	+ 1	+ 2	+ 5	+ 7	+ 6	+ 3	0	- 4	- 8	-10	- 7	- 3	+ 2	+ 3	+ 4	+ 2	+ 1	+ 1	+ 1	3.2
JUL	III	- 3	- 2	- 2	- 1	+ 1	+ 2	+ 5	+ 7	+ 8	+ 8	+ 7	+ 5	+ 1	+ 3	+ 7	+10	+ 9	+ 3	+ 1	0	- 1	- 2	- 2	- 1	3.8
AUG	III	- 2	- 1	0	0	+ 2	+ 3	+ 4	+ 9	+12	+11	+ 8	+ 2	- 3	- 7	-10	-12	-10	- 4	0	0	0	- 1	- 1	- 1	4.3
SEP	II	- 4	- 1	- 1	+ 1	+ 2	+ 3	+ 7	+11	+11	+ 9	+ 5	+ 1	+ 6	+11	+14	+12	+ 8	+ 3	0	+ 1	+ 2	+ 2	+ 2	+ 2	5.0
OCT	II	0	0	+ 2	+ 3	+ 3	+ 5	+ 7	+ 6	0	- 4	- 7	- 7	- 7	- 6	- 4	- 1	0	0	+ 1	+ 2	+ 2	+ 2	+ 1	+ 2	3.1
NOV	I	0	+ 1	+ 1	+ 2	+ 2	+ 5	+ 9	+ 9	+ 6	+ 2	- 6	-10	-12	-12	- 8	- 4	- 1	+ 2	+ 2	+ 3	+ 3	+ 2	+ 2	+ 3	4.4
DEC	I	+ 1	0	- 1	- 1	0	+ 4	+10	+ 9	+ 6	+ 4	0	- 4	- 6	- 7	- 7	- 7	- 2	0	0	0	+ 1	+ 1	+ 1	0	3.0
MEANS	I	0.0	+ 0.6	+ 0.3	0.0	+ 0.6	+ 3.6	+ 7.2	+ 8.0	+ 5.7	+ 2.4	- 2.9	- 7.8	- 9.5	- 8.5	- 5.8	- 3.5	- 0.5	+ 1.5	+ 1.0	+ 1.4	+ 2.1	+ 1.6	+ 0.9	+ 1.4	3.2
	II	- 0.4	+ 0.6	+ 1.7	+ 2.4	+ 3.6	+ 4.4	+ 6.6	+ 9.0	+ 6.6	+ 3.1	- 0.8	- 3.0	- 7.5	-10.3	- 9.8	- 7.5	- 4.4	- 2.0	+ 0.6	+ 1.6	+ 1.4	+ 1.2	+ 1.1	+ 1.6	3.8
	III	- 2.0	- 1.2	- 0.2	+ 0.6	+ 1.4	+ 2.7	+ 4.1	+ 7.2	+ 9.5	+ 8.2	+ 4.5	0.0	- 4.4	- 7.7	-10.3	-10.0	- 6.3	- 0.8	+ 1.6	+ 1.5	+ 0.5	- 0.2	0.0	+ 0.4	3.6
	YEAR	- 0.8	0.0	+ 0.6	+ 1.0	+ 1.9	+ 3.6	+ 6.0	+ 8.1	+ 7.3	+ 4.6	+ 0.3	- 3.6	- 7.1	- 8.8	- 8.6	- 7.0	- 3.7	- 0.4	+ 1.1	+ 1.5	+ 1.4	+ 0.9	+ 0.7	+ 1.1	3.3

TABLE 356--CONCLUDED

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 6	+ 6	+ 4	0	- 2	- 2	- 3	- 3	- 2	- 2	- 1	- 2	- 2	- 2	- 2	- 2	- 3	- 4	- 2	0	+ 1	+ 4	+ 6	+ 6	2.8
FEB	I	0	- 4	- 6	-13	-14	-11	- 8	- 2	0	0	+ 2	+ 2	+ 3	+ 1	+ 1	+ 1	+ 2	+ 4	+ 4	+ 4	+ 5	+ 8	+11	+10	4.9
MAR	II	+ 6	+ 4	+ 1	+ 2	- 2	- 6	- 6	- 3	- 3	- 3	- 1	0	- 1	- 1	- 2	- 2	- 2	- 1	0	+ 1	+ 3	+ 4	+ 6	+ 7	2.9
APR	II	+ 2	- 2	- 6	- 8	-12	-14	-13	-10	- 7	- 3	0	+ 2	+ 3	+ 4	+ 4	+ 3	+ 3	+ 5	+ 6	+ 6	+ 7	+ 8	+ 9	+12	6.2
MAY	III	+ 6	+ 2	- 5	-13	-17	-16	-14	- 9	- 2	+ 2	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 2	+ 3	+ 5	+ 5	+ 6	+ 7	+ 8	+11	6.3
JUN	III	+ 8	+ 7	+ 3	+ 1	- 2	- 8	-10	- 8	- 4	+ 1	+ 2	+ 2	0	- 2	- 2	- 1	0	0	0	0	+ 1	+ 2	+ 3	+ 7	3.1
JUL	III	+ 6	+ 7	+ 8	+ 4	- 2	- 5	-11	-13	- 9	- 2	0	- 1	- 1	- 1	- 1	0	+ 1	0	+ 1	+ 1	+ 2	+ 4	+ 6	+ 9	3.9
AUG	III	+10	+10	+ 8	+ 3	- 3	- 7	-10	-11	- 8	- 3	0	+ 1	0	- 2	- 2	- 3	- 2	- 1	+ 1	+ 2	+ 2	+ 4	+ 6	+10	4.5
SEP	II	+ 6	+ 6	+ 1	- 2	- 6	- 8	-10	-10	- 7	- 4	0	0	0	0	0	0	0	+ 1	+ 1	+ 4	+ 4	+ 5	+ 8	+10	3.9
OCT	II	- 1	- 6	- 9	- 9	-10	- 9	- 4	- 1	+ 3	+ 2	+ 2	+ 2	0	0	0	0	+ 2	+ 2	+ 3	+ 4	+ 5	+ 6	+ 9	+10	4.1
NOV	I	+ 9	+ 4	- 4	-10	-13	-12	- 9	- 6	- 4	0	0	0	+ 1	+ 1	0	+ 1	+ 1	+ 1	+ 2	+ 3	+ 3	+ 7	+11	+11	4.8
DEC	I	+ 9	+ 8	+ 3	- 3	- 6	- 6	- 7	- 7	- 2	- 1	- 1	- 1	0	0	- 1	- 2	- 2	- 2	- 1	- 2	- 1	+ 4	+10	+10	3.6
MEANS	I	+ 5.9	+ 3.8	- 0.8	- 6.4	- 8.8	- 8.0	- 6.4	- 4.5	- 2.0	- 0.6	0.0	- 0.2	+ 0.6	- 0.1	- 0.6	- 0.6	- 0.3	- 0.1	+ 0.9	+ 1.1	+ 2.2	+ 5.8	+ 9.5	+ 9.2	3.3
	II	+ 3.4	+ 0.2	- 3.4	- 4.2	- 7.5	- 9.3	- 8.3	- 6.1	- 3.5	- 1.9	+ 0.4	+ 0.9	+ 0.5	+ 0.8	+ 0.6	+ 0.2	+ 0.6	+ 1.6	+ 2.4	+ 3.7	+ 5.0	+ 6.0	+ 8.0	+ 9.7	3.7
	III	+ 7.7	+ 6.5	+ 3.4	- 1.6	- 6.1	- 8.9	-11.1	-10.0	- 6.0	- 0.8	+ 1.2	+ 1.0	+ 0.3	- 0.5	- 0.6	- 0.3	+ 0.1	+ 0.5	+ 1.6	+ 2.0	+ 2.9	+ 4.0	+ 5.5	+ 9.0	3.8
	YEAR	+ 5.7	+ 3.5	- 0.3	- 4.1	- 7.5	- 8.7	- 8.6	- 6.9	- 3.8	- 1.1	+ 0.5	+ 0.6	+ 0.4	+ 0.1	- 0.2	- 0.2	+ 0.1	+ 0.7	+ 1.6	+ 2.3	+ 3.4	+ 5.2	+ 7.7	+ 9.3	3.4

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 9	+ 8	+ 8	+ 3	+ 5	+ 7	+ 3	+ 1	- 7	- 5	- 4	- 4	+ 1	- 6	- 9	- 3	- 2	0	+ 3	- 2	- 3	+ 1	+ 4	- 3	4.2
FEB	I	+ 9	- 1	- 3	-12	-20	-11	- 5	- 3	- 5	- 5	- 3	- 2	- 5	- 4	+ 1	- 3	+ 3	+ 6	+11	+12	+ 7	+13	+12	+ 7	6.8
MAR	II	+11	+10	0	- 3	- 3	- 4	-10	-10	- 9	-16	-17	-10	- 5	- 4	- 4	+ 1	+ 4	+ 4	+10	+15	+15	+ 9	+ 9	+ 8	7.9
APR	II	+ 7	+ 4	+ 1	- 6	- 5	-11	-22	-23	-21	-15	- 7	- 7	- 6	-10	- 4	- 1	+ 6	+21	+21	+23	+21	+18	+13	+ 4	11.5
MAY	III	+19	+18	+13	+ 5	- 3	-12	-16	-14	-16	- 6	- 3	- 7	- 8	-10	- 8	- 2	+ 1	+ 2	+ 6	+10	+ 9	+10	+ 8	+ 6	8.8
JUN	III	+38	+41	+30	+ 8	- 4	- 4	-16	-17	-24	-28	-29	-24	-15	-13	- 9	- 3	+ 2	+ 6	+ 7	+13	+11	+10	+ 9	+11	15.5
JUL	III	+29	+32	+32	+29	+23	+ 8	+ 5	+ 6	+ 4	- 3	-10	-25	-34	-32	-28	-20	-13	-10	- 3	- 4	+ 1	+ 3	+ 6	+ 6	15.2
AUG	III	+15	+13	+ 9	+ 2	- 1	- 5	-13	-12	-10	- 4	- 3	- 4	- 9	- 8	- 7	- 6	- 1	+ 2	+ 4	+ 4	+ 8	+ 7	+ 8	+11	6.9
SEP	II	+15	+16	+14	+12	+ 7	+ 2	- 1	- 6	0	- 1	- 2	- 8	-16	-21	-15	- 4	- 9	- 1	- 3	+ 1	+ 2	+ 3	+ 6	+ 9	7.2
OCT	II	+15	+10	+ 5	- 1	- 4	- 2	+ 2	+ 4	+ 2	- 4	-10	-15	-14	-12	- 8	+ 5	+ 4	+ 9	+ 3	+ 3	+ 1	+ 3	+ 3	+ 3	5.9
NOV	I	+24	+25	+28	+17	+ 3	+ 1	- 5	- 1	-12	-14	-10	- 6	- 6	-10	-11	-11	- 8	- 1	+ 1	- 3	- 5	- 4	+ 3	+ 3	8.9
DEC	I	+12	+ 7	+ 1	- 3	- 3	- 6	- 8	- 5	- 3	+ 2	- 2	- 3	- 1	+ 3	- 4	- 2	+ 2	+ 4	+ 3	- 3	- 3	+ 3	+ 6	+ 5	3.8
MEANS	I	+13.4	+ 9.6	+ 8.4	+ 1.4	- 3.8	- 2.1	- 3.8	- 2.0	- 6.8	- 5.4	- 4.8	- 3.8	- 2.6	- 4.4	- 5.8	- 4.8	- 1.4	+ 2.0	+ 4.4	+ 1.2	- 0.9	+ 3.4	+ 6.3	+ 2.8	4.4
	II	+11.9	+10.0	+ 4.9	+ 0.7	- 1.2	- 3.8	- 7.7	- 8.8	- 7.0	- 9.1	- 9.1	-10.2	-10.4	-11.7	- 7.8	+ 0.2	+ 1.1	+ 8.3	+ 7.6	+10.7	+ 9.8	+ 8.0	+ 7.8	+ 5.7	7.2
	III	+25.2	+26.2	+20.8	+11.0	+ 3.8	- 3.4	-10.2	- 9.4	-11.6	-10.0	-11.1	-14.8	-16.3	-14.9	-13.0	- 8.0	- 2.9	- 0.1	+ 3.6	+ 5.8	+ 7.1	+ 7.4	+ 7.6	+ 8.5	10.6
	YEAR	+16.9	+15.3	+11.4	+ 4.4	- 0.4	- 3.1	- 7.2	- 6.7	- 8.5	- 8.2	- 8.4	- 9.6	- 9.8	-10.7	- 8.9	- 4.2	- 1.1	+ 3.4	+ 5.2	+ 5.9	+ 5.3	+ 6.3	+ 7.2	+ 5.7	7.2

TABLE 357

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	+ 2	+ 3	+ 3	+ 4	+ 5	+ 6	+ 5	+ 3	0	- 5	- 9	- 8	- 4	- 3	0	0	0	- 1	- 3	- 1	0	- 1	+ 1	2.9
FEB	I	+ 4	+ 4	+ 5	+ 7	+ 5	+ 8	+ 8	+ 7	0	- 8	-13	-15	-14	- 8	- 2	+ 2	+ 2	+ 2	+ 1	+ 1	+ 1	+ 1	+ 2	+ 1	6.1
MAR	II	+ 2	+ 3	+ 5	+ 7	+ 8	+ 7	+ 8	+ 8	+ 4	+ 1	- 2	- 3	- 6	- 8	- 9	- 6	- 6	- 5	- 4	- 3	- 2	- 1	0	+ 1	4.5
APR	II	+ 4	+ 8	+ 8	+ 8	+10	+10	+ 9	+ 7	+ 5	+ 2	- 1	- 4	- 8	-12	-14	-12	-10	- 5	- 2	- 3	- 2	0	+ 1	+ 2	6.2
MAY	III	+ 1	+ 3	+ 6	+ 6	+ 6	+ 7	+ 8	+10	+12	+10	+ 4	- 3	- 9	-13	-15	-12	- 8	- 2	- 1	- 2	- 3	- 4	- 1	0	6.1
JUN	III	0	+ 2	+ 4	+ 6	+ 5	+ 6	+ 6	+ 8	+11	+11	+ 6	- 1	- 5	- 8	-11	-10	- 7	- 5	- 4	- 3	- 3	- 3	- 3	- 1	5.4
JUL	III	- 3	- 2	+ 2	+ 2	+ 3	+ 5	+ 8	+11	+11	+11	+10	+ 7	+ 2	- 4	- 7	- 7	- 6	- 3	- 4	- 6	- 8	- 8	- 8	- 6	6.1
AUG	III	- 1	+ 1	+ 2	+ 3	+ 4	+ 5	+ 7	+11	+12	+ 8	+ 4	- 1	- 6	- 8	-11	-10	- 6	- 2	0	0	- 2	- 3	- 3	- 3	4.7
SEP	II	- 3	0	+ 1	+ 3	+ 4	+ 5	+ 9	+12	+11	+ 8	+ 4	+ 2	- 4	- 8	-10	- 9	- 5	- 3	- 2	- 3	- 4	- 4	- 4	- 2	4.9
OCT	II	+ 3	+ 4	+ 4	+ 6	+ 6	+ 7	+ 9	+ 7	0	- 7	-11	-12	-10	- 7	- 2	+ 2	+ 2	0	0	- 1	- 2	- 1	- 1	+ 2	4.5
NOV	I	+ 2	+ 4	+ 3	+ 3	+ 2	+ 5	+ 8	+ 6	+ 1	- 2	- 7	- 7	- 7	- 5	- 5	- 1	- 1	0	- 1	0	+ 1	0	0	+ 1	3.0
DEC	I	+ 1	+ 1	0	- 1	0	+ 4	+ 8	+ 8	+ 4	+ 1	- 3	- 5	- 6	- 6	- 5	- 4	0	+ 1	0	0	+ 1	+ 1	0	+ 1	2.6
MEANS	I	+ 2.0	+ 2.9	+ 3.0	+ 2.8	+ 3.0	+ 5.1	+ 7.8	+ 6.3	+ 1.9	- 2.4	- 6.9	- 9.0	- 8.6	- 5.9	- 3.8	- 0.7	+ 0.1	+ 0.6	- 0.2	- 0.2	+ 0.6	+ 0.4	+ 0.2	+ 0.8	3.1
	II	+ 1.6	+ 3.8	+ 4.6	+ 6.2	+ 7.4	+ 7.4	+ 8.6	+ 8.5	+ 4.8	+ 1.1	- 2.6	- 4.2	- 6.9	- 8.8	- 8.5	- 6.6	- 4.6	- 3.2	- 2.1	- 2.4	- 2.2	- 1.8	- 1.2	+ 0.7	4.6
	III	- 0.9	+ 1.0	+ 3.3	+ 4.2	+ 4.6	+ 5.7	+ 7.2	+10.0	+11.6	+10.2	+ 6.1	+ 0.6	- 4.3	- 8.4	-11.0	- 9.9	- 6.8	- 2.9	- 2.2	- 2.9	- 4.2	- 4.4	- 3.5	- 2.4	5.3
	YEAR	+ 0.9	+ 2.6	+ 3.6	+ 4.4	+ 5.0	+ 6.1	+ 7.9	+ 8.3	+ 6.1	+ 2.9	- 1.1	- 4.2	- 6.6	- 7.7	- 7.7	- 5.7	- 3.8	- 1.8	- 1.5	- 1.8	- 1.9	- 1.9	- 1.5	- 0.3	4.0

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	0	0	- 1	- 2	- 1	+ 1	+ 3	+ 4	+ 5	+ 4	+ 1	- 5	- 6	- 4	- 1	- 1	0	+ 1	+ 1	- 1	0	+ 1	0	0	1.9
FEB	I	0	+ 2	+ 3	+ 2	+ 2	+ 3	+ 6	+ 6	+ 1	- 6	-12	-15	-15	- 9	- 3	+ 3	+ 5	+ 5	+ 3	+ 5	+ 5	+ 3	+ 2	+ 3	4.9
MAR	II	0	0	+ 2	+ 3	+ 3	+ 4	+ 6	+ 9	+ 6	+ 2	- 2	- 2	- 5	- 8	- 6	- 4	- 4	- 3	- 1	0	0	0	0	0	3.0
APR	II	+ 2	+ 4	+ 4	+ 3	+ 6	+ 5	+ 6	+ 8	+ 5	+ 2	- 4	- 7	-12	-14	-12	- 9	- 4	0	+ 3	+ 4	+ 3	+ 2	+ 2	+ 3	5.2
MAY	III	- 1	+ 1	+ 2	+ 3	+ 4	+ 4	+ 5	+ 7	+10	+ 6	+ 1	- 7	-11	-13	-14	- 9	- 3	+ 2	+ 3	+ 3	+ 2	+ 1	+ 2	+ 3	4.9
JUN	III	- 3	- 3	- 1	0	0	+ 1	+ 2	+ 5	+ 7	+ 5	+ 2	- 1	- 4	- 8	- 9	- 6	- 2	+ 2	+ 3	+ 4	+ 2	+ 1	0	+ 1	3.1
JUL	III	- 3	- 3	- 2	- 1	+ 1	+ 2	+ 5	+ 7	+ 8	+ 7	+ 7	+ 4	0	- 3	- 6	- 9	- 8	- 2	+ 1	0	- 1	- 2	- 2	- 1	3.6
AUG	III	- 2	- 1	0	0	+ 2	+ 3	+ 5	+ 9	+12	+10	+ 6	0	- 4	- 7	-10	-11	- 8	- 3	0	+ 1	0	- 1	- 1	- 1	4.1
SEP	II	- 4	- 1	- 1	+ 1	+ 2	+ 4	+ 7	+11	+10	+ 7	+ 3	0	- 6	-10	-12	-11	- 6	- 3	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	4.5
OCT	II	0	0	+ 2	+ 3	+ 3	+ 4	+ 6	+ 5	- 2	- 7	-10	- 8	- 6	- 4	- 1	+ 1	+ 2	+ 1	+ 2	+ 3	+ 2	+ 2	+ 2	+ 2	3.2
NOV	I	0	+ 1	+ 1	+ 2	+ 2	+ 5	+ 8	+ 7	+ 4	- 1	- 8	-11	-11	-10	- 6	- 2	+ 1	+ 4	+ 2	+ 3	+ 3	+ 3	+ 2	+ 3	4.1
DEC	I	+ 1	0	- 1	- 1	0	+ 3	+ 8	+ 7	+ 4	+ 2	- 2	- 4	- 5	- 6	- 5	- 5	- 1	+ 1	+ 1	+ 1	+ 2	+ 1	+ 1	0	2.6
MEANS	I	0.0	+ 0.6	+ 0.4	0.0	+ 0.6	+ 3.2	+ 6.4	+ 6.2	+ 3.2	- 0.3	- 5.1	- 8.8	- 9.4	- 7.2	- 3.7	- 1.3	+ 1.2	+ 2.7	+ 1.8	+ 2.0	+ 2.6	+ 2.0	+ 1.2	+ 1.6	3.0
	II	- 0.5	+ 0.6	+ 1.7	+ 2.4	+ 3.6	+ 4.4	+ 6.2	+ 8.0	+ 4.8	+ 0.8	- 3.1	- 4.3	- 7.6	- 9.2	- 8.1	- 5.7	- 2.9	- 1.1	+ 1.2	+ 2.1	+ 1.8	+ 1.5	+ 1.2	+ 1.7	3.5
	III	- 2.2	- 1.3	- 0.2	+ 0.6	+ 1.4	+ 2.7	+ 4.2	+ 7.3	+ 9.2	+ 7.3	+ 3.4	- 0.9	- 4.9	- 7.6	- 9.6	- 8.8	- 5.3	- 0.3	+ 1.9	+ 1.7	+ 0.6	- 0.2	- 0.1	+ 0.2	3.4
	YEAR	- 0.9	0.0	+ 0.6	+ 1.0	+ 1.8	+ 3.5	+ 5.6	+ 7.2	+ 5.8	+ 2.6	- 1.6	- 4.7	- 7.3	- 8.0	- 7.1	- 5.3	- 2.3	+ 0.4	+ 1.6	+ 1.9	+ 1.6	+ 1.1	+ 0.8	+ 1.2	3.1

TABLE 357--CONCLUDED

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 4	+ 4	+ 2	- 2	- 2	- 2	- 1	- 2	0	- 1	0	- 2	- 1	- 1	- 2	- 2	- 3	- 4	- 2	0	+ 1	+ 4	+ 5	+ 4	2.1
FEB	I	- 3	- 7	- 9	-15	-15	-10	- 6	+ 1	+ 2	+ 2	+ 2	+ 3	+ 4	+ 1	+ 1	+ 2	+ 2	+ 4	+ 5	+ 4	+ 5	+ 7	+10	+ 9	5.4
MAR	II	+ 4	+ 1	- 2	0	- 3	- 6	- 4	- 1	- 1	- 1	0	+ 1	0	- 1	- 1	- 2	- 2	- 1	0	+ 1	+ 3	+ 4	+ 6	+ 6	2.2
APR	II	0	- 4	- 8	- 9	-12	-13	-12	- 8	- 5	- 2	+ 1	+ 2	+ 3	+ 4	+ 4	+ 3	+ 3	+ 6	+ 6	+ 6	+ 7	+ 8	+ 8	+11	6.1
MAY	III	+ 6	+ 1	- 6	-14	-18	-15	-13	- 8	- 1	+ 2	+ 4	+ 3	+ 3	+ 3	+ 3	+ 3	+ 2	+ 3	+ 5	+ 5	+ 6	+ 6	+ 8	+10	6.2
JUN	III	+ 8	+ 6	+ 2	0	- 3	- 8	- 9	- 7	- 4	+ 1	+ 2	+ 2	0	- 2	- 2	- 1	0	0	0	0	+ 1	+ 2	+ 3	+ 7	3.0
JUL	III	+ 6	+ 6	+ 7	+ 3	- 2	- 5	-10	-12	- 8	- 2	0	- 1	- 1	- 1	- 1	0	+ 1	0	+ 1	+ 1	+ 2	+ 4	+ 6	+10	3.7
AUG	III	+10	+ 9	+ 6	+ 1	- 4	- 8	-10	-10	- 7	- 3	0	+ 1	0	- 2	- 2	- 3	- 2	- 1	+ 1	+ 2	+ 2	+ 4	+ 6	+10	4.3
SEP	II	+ 5	+ 4	- 1	- 4	- 7	- 7	- 8	- 9	- 6	- 3	0	0	0	0	0	0	0	+ 1	+ 1	+ 4	+ 4	+ 5	+ 8	+10	3.7
OCT	II	- 4	- 9	-11	-10	- 9	- 7	- 2	+ 1	+ 4	+ 3	+ 3	+ 2	+ 1	+ 1	0	0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 8	+ 8	4.3
NOV	I	+ 7	+ 2	- 6	-11	-13	-11	- 6	- 4	- 2	+ 1	+ 1	0	+ 1	+ 1	0	+ 1	+ 1	+ 1	+ 2	+ 3	+ 3	+ 7	+10	+10	4.4
DEC	I	+ 6	+ 6	+ 2	- 3	- 6	- 5	- 5	- 5	0	0	0	0	0	0	0	- 2	- 2	- 2	- 1	- 2	- 1	+ 3	+ 8	+ 8	2.9
MEANS	I	+ 3.6	+ 1.2	- 3.0	- 7.6	- 8.8	- 6.9	- 4.6	- 2.4	- 0.2	+ 0.7	+ 0.8	+ 0.3	+ 1.0	+ 0.2	- 0.4	- 0.4	- 0.2	0.0	+ 1.0	+ 1.2	+ 2.1	+ 5.4	+ 8.6	+ 7.6	2.8
	II	+ 1.6	- 2.1	- 5.6	- 5.6	- 7.6	- 8.2	- 6.6	- 4.2	- 2.0	- 0.9	+ 1.1	+ 1.4	+ 1.0	+ 1.1	+ 0.8	+ 0.3	+ 0.7	+ 1.7	+ 2.4	+ 3.8	+ 4.9	+ 5.9	+ 7.6	+ 8.6	3.6
	III	+ 7.3	+ 5.5	+ 2.2	- 2.6	- 6.7	- 8.8	-10.3	- 8.9	- 5.0	- 0.2	+ 1.5	+ 1.2	+ 0.4	- 0.5	- 0.6	- 0.3	+ 0.1	+ 0.5	+ 1.7	+ 2.0	+ 3.0	+ 4.0	+ 5.6	+ 9.1	3.7
	YEAR	+ 4.2	+ 1.6	- 2.2	- 5.3	- 7.7	- 8.0	- 7.2	- 5.2	- 2.4	- 0.1	+ 1.1	+ 1.0	+ 0.8	+ 0.3	- 0.1	- 0.1	+ 0.2	+ 0.7	+ 1.7	+ 2.3	+ 3.3	+ 5.1	+ 7.3	+ 8.5	3.2

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 6	+ 6	+ 6	+ 3	+ 6	+ 8	+ 4	+ 3	- 5	- 4	- 4	- 4	+ 1	- 6	-10	- 4	- 2	0	+ 3	- 2	- 4	+ 1	+ 3	- 4	4.1
FEB	I	+ 7	- 3	- 6	-14	-21	-10	- 3	- 1	- 4	- 4	- 2	- 1	- 5	- 5	0	- 3	+ 2	+ 5	+11	+13	+ 8	+15	+12	+ 6	6.7
MAR	II	+10	+ 8	- 1	- 4	- 3	- 3	- 8	- 9	- 7	-15	-16	-10	- 6	- 5	- 4	0	+ 3	+ 4	+10	+15	+15	+ 9	+ 9	+ 8	7.6
APR	II	+ 7	+ 4	0	- 6	- 5	-10	-21	-22	-20	-14	- 7	- 8	- 7	-11	- 5	- 2	+ 5	+20	+21	+23	+21	+18	+14	+ 4	11.6
MAY	III	+18	+18	+12	+ 4	- 4	-12	-15	-13	-15	- 5	- 3	- 7	- 8	-11	- 9	- 2	+ 0	+ 1	+ 6	+10	+ 9	+10	+ 8	+ 6	8.6
JUN	III	+38	+41	+29	+ 8	- 4	- 3	-15	-16	-23	-26	-28	-24	-15	-14	-10	- 4	+ 2	+ 6	+ 7	+13	+11	+10	+ 9	+12	15.3
JUL	III	+29	+32	+32	+28	+23	+ 8	+ 5	+ 8	+ 5	- 2	- 9	-24	-34	-33	-30	-22	-15	-10	- 4	- 4	+ 1	+ 4	+ 6	+ 6	15.6
AUG	III	+15	+13	+ 8	+ 1	- 2	- 6	-12	-11	- 9	- 3	- 2	- 3	- 9	- 8	- 8	- 7	- 1	+ 2	+ 4	+ 4	+ 8	+ 7	+ 8	+12	6.7
SEP	II	+14	+14	+12	+12	+ 8	+ 4	+ 1	- 4	+ 1	0	- 2	- 8	-16	-21	-16	- 4	-10	- 1	- 3	+ 1	+ 2	+ 3	+ 5	+ 8	7.1
OCT	II	+12	+ 8	+ 3	- 1	- 2	0	+ 4	+ 6	+ 4	- 3	- 9	-14	-14	-12	- 8	+ 4	+ 3	+ 8	+ 2	+ 3	+ 1	+ 2	+ 2	+ 1	5.3
NOV	I	+20	+21	+26	+17	+ 5	+ 4	- 2	+ 2	- 9	-12	- 9	- 6	- 6	-11	-12	-11	- 9	- 1	+ 1	- 3	- 5	- 4	+ 2	+ 1	8.3
DEC	I	+ 8	+ 4	- 1	- 3	- 2	- 4	- 5	- 2	- 1	+ 4	- 1	- 2	0	+ 3	- 4	- 2	+ 1	+ 4	+ 3	- 3	- 3	+ 2	+ 4	+ 2	2.9
MEANS	I	+10.7	+ 6.9	+ 6.4	+ 0.7	- 3.0	- 0.2	- 1.4	+ 0.5	- 4.9	- 4.0	- 4.0	- 3.4	- 2.5	- 4.7	- 6.4	- 5.1	- 1.8	+ 1.8	+ 4.3	+ 1.1	- 0.8	+ 3.6	+ 5.5	+ 1.1	3.5
	II	+10.7	+ 8.4	+ 3.6	+ 0.3	- 0.6	- 2.2	- 5.9	- 7.1	- 5.5	- 8.2	- 8.6	- 9.9	-10.6	-12.3	- 8.4	- 0.4	+ 0.5	+ 7.7	+ 7.3	+10.6	+ 9.9	+ 8.2	+ 7.6	+ 5.2	6.6
	III	+25.3	+25.8	+20.0	+10.4	+ 3.5	- 3.1	- 9.2	- 8.1	-10.4	- 9.2	-10.6	-14.6	-16.6	-16.6	-14.0	- 8.9	- 3.4	- 0.5	+ 3.5	+ 5.8	+ 7.2	+ 7.7	+ 8.0	+ 8.8	10.5
	YEAR	+15.6	+13.7	+10.0	+ 3.8	0.0	- 1.8	- 5.5	- 4.9	- 6.9	- 7.2	- 7.7	- 9.3	- 9.9	-11.2	- 9.6	- 4.8	- 1.6	+ 3.0	+ 5.0	+ 5.8	+ 5.4	+ 6.5	+ 7.0	+ 5.0	6.7

TABLE 358

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
JAN	I	+ 1	0	0	+ 1	0	- 3	-13	-25	-34	-36	-29	-14	0	+16	+28	+31	+25	+18	+13	+ 9	+ 6	+ 3	+ 1	0	12.8
FEB	I	- 6	- 5	- 2	+ 2	+ 3	+ 3	- 6	-18	-34	-43	-41	-27	- 4	+20	+36	+39	+33	+23	+14	+ 9	+ 7	+ 1	- 1	- 4	15.9
MAR	II	- 2	- 2	- 1	- 1	- 1	0	- 4	-13	-23	-32	-35	-25	- 7	+13	+28	+31	+26	+20	+13	+ 8	+ 5	+ 3	+ 1	0	12.2
APR	II	- 6	- 5	- 3	- 2	0	+ 2	- 2	- 9	-20	-27	-24	-13	+ 2	+17	+25	+25	+21	+14	+10	+ 7	0	- 3	- 3	- 6	10.3
MAY	III	- 3	- 2	- 1	0	- 1	- 1	0	- 2	-10	-16	-18	-13	- 4	+ 8	+18	+22	+17	+10	+ 7	+ 3	- 1	- 4	- 5	- 4	7.0
JUN	III	- 4	- 2	0	0	0	+ 1	+ 2	+ 3	- 1	- 8	-11	- 9	- 3	+ 4	+12	+16	+14	+ 8	+ 3	- 1	- 3	- 6	- 7	- 6	5.2
JUL	III	- 6	- 4	0	0	+ 1	+ 3	+ 3	+ 3	0	- 8	-12	-10	- 5	+ 1	+ 9	+14	+14	+ 8	+ 6	+ 4	0	- 4	- 8	- 7	5.4
AUG	III	- 2	- 1	- 1	0	+ 2	+ 3	+ 4	+ 3	- 6	-17	-23	-22	-14	- 1	+14	+23	+20	+11	+ 6	+ 4	+ 2	0	- 1	- 1	7.6
SEP	II	- 1	0	0	+ 1	0	0	- 2	-11	-23	-31	-31	-21	- 2	+15	+25	+26	+22	+14	+ 9	+ 7	+ 4	+ 1	0	- 2	10.4
OCT	II	- 3	- 4	- 3	- 2	- 2	- 5	-15	-29	-41	-46	-35	-12	+13	+32	+39	+37	+28	+17	+12	+10	+ 6	+ 3	+ 1	- 2	16.5
NOV	I	- 2	+ 1	+ 2	+ 1	- 1	- 7	-18	-34	-46	-45	-33	- 9	+14	+32	+39	+38	+28	+17	+10	+ 8	+ 5	+ 2	- 1	- 2	16.4
DEC	I	0	+ 1	+ 2	+ 1	0	- 8	-20	-33	-44	-46	-34	-11	+12	+28	+37	+35	+27	+18	+10	+ 7	+ 7	+ 5	+ 3	+ 2	16.3
MEANS	I	- 1.9	- 0.8	+ 0.6	+ 1.2	+ 0.5	- 3.8	-14.2	-27.4	-39.3	-42.7	-34.0	-15.1	+ 5.6	+24.3	+35.1	+35.8	+28.2	+19.0	+11.8	+ 8.3	+ 6.3	+ 2.6	+ 0.4	- 0.9	15.0
	II	- 2.9	- 2.9	- 1.8	- 0.9	- 0.6	- 0.8	- 5.8	-15.4	-26.8	-34.0	-31.4	-17.7	+ 1.7	+19.4	+29.3	+29.8	+24.2	+16.2	+11.0	+ 7.6	+ 3.8	+ 1.2	- 0.5	- 2.4	12.0
	III	- 3.6	- 2.3	- 0.5	+ 0.1	+ 0.4	+ 1.5	+ 2.2	+ 1.9	+ 4.5	-12.4	-16.2	-13.5	- 6.7	+ 2.8	+13.0	+18.6	+16.4	+ 9.0	+ 5.3	+ 2.4	- 0.6	- 3.4	- 5.2	- 4.8	6.1
	YEAR	- 2.8	- 2.0	- 0.6	+ 0.2	+ 0.1	- 1.0	- 5.9	-13.6	-23.5	-29.7	-27.2	-15.4	+ 0.2	+15.5	+25.8	+28.1	+22.9	+14.7	+ 9.4	+ 6.1	+ 3.1	+ 0.1	- 1.8	- 2.7	10.5

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
JAN	I	+ 2	+ 2	+ 3	+ 2	+ 2	- 2	- 9	-21	-32	-36	-31	-21	- 7	+10	+25	+29	+24	+18	+12	+ 9	+ 8	+ 6	+ 5	+ 3	13.3
FEB	I	- 1	- 2	- 1	- 1	0	- 2	-10	-23	-39	-50	-46	-28	- 3	+24	+40	+45	+36	+24	+14	+10	+ 8	+ 3	+ 3	+ 1	17.3
MAR	II	0	+ 1	+ 2	0	- 1	- 2	- 4	-13	-28	-41	-46	-35	-11	+12	+30	+36	+30	+21	+14	+12	+ 9	+ 7	+ 4	+ 2	15.0
APR	II	- 3	- 2	- 1	- 1	0	+ 1	- 6	-14	-25	-32	-29	-17	0	+15	+25	+26	+23	+15	+10	+ 8	+ 4	+ 2	0	0	10.8
MAY	III	- 1	+ 1	0	- 1	- 2	- 3	- 3	- 5	-11	-19	-20	-14	- 4	+ 7	+18	+21	+16	+10	+ 7	+ 4	+ 1	0	- 2	- 1	7.2
JUN	III	- 2	0	+ 1	+ 1	+ 1	0	0	+ 1	- 4	-10	-13	-11	- 4	+ 3	+10	+15	+13	+ 5	+ 2	0	- 1	- 2	- 2	- 2	4.3
JUL	III	- 1	- 2	0	0	0	0	+ 1	+ 3	- 2	- 9	-13	-12	- 7	0	+ 9	+14	+14	+ 7	+ 2	+ 2	+ 1	- 2	- 2	- 2	4.4
AUG	III	- 2	- 2	- 1	- 1	+ 1	+ 3	+ 5	+ 5	- 6	-18	-25	-24	-18	- 4	+13	+23	+21	+12	+ 7	+ 6	+ 3	+ 3	0	- 1	8.4
SEP	II	+ 1	0	0	+ 1	+ 1	+ 1	0	- 8	-21	-30	-31	-23	- 6	+12	+22	+24	+21	+13	+ 7	+ 6	+ 4	+ 3	+ 2	+ 1	10.0
OCT	II	- 1	- 1	0	0	- 2	- 5	-14	-28	-39	-45	-36	-13	+14	+32	+37	+34	+24	+13	+ 9	+ 7	+ 7	+ 4	+ 3	0	15.3
NOV	I	- 2	+ 1	+ 4	+ 3	0	- 8	-18	-33	-43	-43	-34	-13	+10	+27	+35	+35	+27	+17	+12	+ 9	+ 7	+ 4	+ 4	+ 2	16.2
DEC	I	0	+ 1	+ 3	+ 2	0	- 8	-20	-34	-40	-41	-28	- 7	+11	+24	+32	+31	+24	+15	+ 8	+ 6	+ 7	+ 5	+ 3	+ 3	14.7
MEANS	I	- 0.2	+ 0.4	+ 2.2	+ 1.6	+ 0.4	- 4.8	-14.4	-27.7	-38.4	-42.5	-35.0	-17.3	+ 2.8	+21.4	+32.9	+34.8	+27.7	+18.3	+11.5	+ 8.6	+ 7.3	+ 4.6	+ 3.6	+ 2.4	15.0
	II	- 0.8	- 0.5	+ 0.2	0.0	- 0.4	- 1.2	- 6.0	-15.8	-28.4	-37.0	-35.5	-21.9	- 0.8	+18.0	+28.4	+29.8	+24.5	+15.8	+10.2	+ 8.0	+ 6.2	+ 4.1	+ 2.3	+ 1.0	12.4
	III	- 1.6	- 0.9	+ 0.1	- 0.1	- 0.2	+ 0.1	+ 0.8	+ 0.8	- 5.6	-14.1	-17.8	-15.4	- 8.3	+ 1.7	+12.2	+18.2	+16.1	+ 8.7	+ 4.6	+ 3.0	+ 1.0	- 0.3	- 1.4	- 1.4	5.6
	YEAR	- 0.9	- 0.3	+ 0.8	+ 0.5	- 0.1	- 2.0	- 6.5	-14.2	-24.2	-31.2	-29.4	-18.2	- 2.1	+13.7	+24.5	+27.6	+22.8	+14.3	+ 8.8	+ 6.6	+ 4.8	+ 2.8	+ 1.5	+ 0.7	10.8

TABLE 358--CONCLUDED

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
JAN	I	-30	-37	-32	-22	- 9	+ 8	+23	+27	+24	+18	+13	+10	+10	+ 8	+ 6	+ 4	+ 3	+ 3	+ 4	+ 2	+ 1	- 2	-11	-21	13.8
FEB	I	-40	-52	-47	-29	- 6	+18	+34	+43	+36	+27	+16	+10	+ 9	+ 4	+ 5	+ 3	+ 2	+ 2	+ 2	+ 1	0	- 3	-12	-22	17.6
MAR	II	-27	-43	-50	-39	-16	+11	+31	+39	+33	+23	+16	+13	+11	+ 8	+ 5	+ 4	+ 2	+ 2	+ 1	+ 1	0	- 2	- 6	-16	16.6
APR	II	-26	-32	-28	-16	+ 1	+16	+25	+26	+24	+15	+11	+ 9	+ 4	+ 2	+ 1	+ 1	+ 1	+ 1	0	0	- 3	- 4	- 9	-19	11.5
MAY	III	-14	-21	-22	-16	- 4	+ 9	+20	+21	+16	+10	+ 7	+ 3	+ 1	+ 1	0	0	0	0	0	0	- 1	- 2	- 2	- 6	7.4
JUN	III	- 5	-11	-14	-12	- 6	+ 2	+10	+16	+12	+ 5	+ 2	0	- 2	- 3	- 2	- 2	+ 1	0	+ 1	+ 2	+ 2	+ 2	+ 2	+ 1	4.7
JUL	III	- 4	-11	-14	-13	- 7	0	+ 8	+15	+14	+ 8	+ 3	+ 2	0	- 1	- 2	- 1	- 2	- 1	0	0	+ 1	+ 1	+ 2	+ 3	4.7
AUG	III	- 7	-19	-26	-27	-19	- 4	+13	+22	+21	+11	+ 6	+ 5	+ 4	+ 3	+ 2	0	0	+ 1	+ 2	+ 1	+ 2	+ 3	+ 4	+ 4	8.6
SEP	II	-21	-29	-31	-22	- 6	+12	+22	+23	+19	+12	+ 6	+ 5	+ 4	+ 3	+ 3	+ 2	+ 2	+ 1	+ 2	+ 2	0	0	- 1	- 8	10.0
OCT	II	-39	-43	-32	-11	+13	+30	+36	+32	+23	+13	+ 9	+ 8	+ 7	+ 4	+ 3	0	- 1	0	0	0	- 3	- 6	-14	-27	14.8
NOV	I	-40	-41	-36	-15	+ 7	+24	+33	+35	+29	+19	+11	+ 7	+ 7	+ 5	+ 4	+ 3	+ 1	+ 2	+ 2	+ 1	- 2	- 7	-18	-30	15.7
DEC	I	-35	-35	-24	- 6	+11	+21	+28	+28	+22	+16	+ 8	+ 6	+ 5	+ 4	+ 1	+ 2	+ 2	+ 2	+ 2	0	- 1	- 8	-19	-31	13.2
MEANS	I	-36.2	-41.1	-34.6	-18.1	+ 0.6	+17.8	+29.4	+33.2	+27.8	+20.0	+12.4	+ 8.5	+ 7.6	+ 5.2	+ 3.8	+ 3.0	+ 2.0	+ 2.3	+ 2.4	+ 1.0	- 0.5	- 5.2	-14.7	-26.2	14.7
	II	-28.4	-36.9	-35.4	-22.0	- 1.8	+17.3	+28.2	+30.0	+24.7	+15.9	+10.6	+ 8.8	+ 6.7	+ 4.4	+ 3.0	+ 1.8	+ 1.2	+ 1.0	+ 0.6	+ 0.4	- 1.5	- 3.0	- 7.4	-17.5	12.9
	III	- 7.3	-15.4	-19.1	-16.8	- 9.0	+ 1.7	+12.8	+18.4	+15.8	+ 8.4	+ 4.5	+ 2.5	+ 0.7	0.0	- 0.8	- 0.6	- 0.7	+ 0.1	+ 0.8	+ 0.9	+ 1.0	+ 1.0	+ 1.3	+ 0.2	5.8
	YEAR	-24.0	-31.2	-29.7	-19.0	- 3.4	+12.2	+23.5	+27.2	+22.8	+14.8	+ 9.1	+ 6.6	+ 5.0	+ 3.2	+ 2.0	+ 1.4	+ 0.8	+ 1.1	+ 1.3	+ 0.8	- 0.3	- 2.4	- 6.9	-14.5	11.0

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
JAN	I	-33	-29	-19	- 4	+10	+20	+25	+28	+24	+17	+10	+ 4	- 1	0	- 5	- 1	0	- 2	- 7	- 6	- 4	+ 6	-12	-22	12.1
FEB	I	-29	-36	-39	-30	- 9	+15	+33	+35	+31	+23	+16	+ 6	+ 7	- 6	-13	-13	-15	- 8	- 1	+ 6	+14	+19	+ 6	-12	17.6
MAR	II	-15	-24	-24	-14	0	+14	+26	+26	+22	+18	+ 8	- 6	- 3	- 8	-10	- 6	- 9	- 9	0	- 1	+ 2	+ 8	+ 5	- 1	10.8
APR	II	+ 1	- 7	- 9	- 2	+ 3	+13	+17	+16	+13	+ 9	+ 2	- 1	-15	-20	-15	-17	-12	-12	- 6	0	+ 2	+11	+13	+14	9.5
MAY	III	- 8	-14	-16	-11	- 2	+11	+21	+23	+17	+ 7	+ 4	0	- 7	- 9	-10	-10	- 5	- 4	+ 1	+ 4	0	+ 3	+ 4	- 1	8.0
JUN	III	+ 2	- 6	-13	- 9	+ 1	+11	+19	+23	+23	+19	+10	- 3	-10	-18	-21	-14	- 8	- 2	- 3	- 3	- 3	+ 1	0	+ 4	9.4
JUL	III	+ 2	- 3	- 8	-10	- 5	+ 2	+10	+16	+18	+17	+16	+14	+ 2	- 8	-24	-28	-20	-16	- 7	- 5	0	+12	+16	+10	11.2
AUG	III	+ 1	-11	-18	-18	-14	- 6	+ 9	+20	+20	+11	+ 5	+ 2	0	- 1	- 4	- 1	- 2	- 3	- 3	0	+ 6	+ 3	+ 3	+ 4	6.8
SEP	II	-27	-31	-24	- 7	+14	+33	+39	+29	+23	+15	+ 9	+ 6	- 1	- 9	- 9	-12	-10	- 3	- 5	0	- 2	- 4	- 5	-18	14.1
OCT	II	-39	-45	-31	- 7	+20	+40	+37	+36	+37	+23	+20	+19	+ 5	+ 1	+ 1	- 4	- 8	-16	-11	-10	- 2	- 9	-25	-32	19.9
NOV	I	-65	-57	-34	- 3	+26	+48	+52	+53	+39	+26	+13	+ 8	- 1	-10	-14	-10	- 9	- 2	- 2	- 4	0	- 4	-19	-34	22.1
DEC	I	-52	-52	-35	- 6	+21	+40	+48	+42	+32	+24	+13	+ 6	+ 6	+ 4	+ 1	+ 1	- 3	- 1	+ 1	- 3	- 4	-11	-27	-44	20.0
MEANS	I	-44.9	-43.5	-31.7	-10.9	+12.0	+30.8	+39.4	+39.6	+31.6	+22.7	+13.0	+ 6.1	+ 3.0	- 3.0	- 7.8	- 5.7	- 6.6	- 3.1	- 2.1	- 1.8	+ 1.4	+ 2.6	-13.0	-27.9	16.8
	II	-20.0	-26.8	-22.2	- 7.5	+ 9.1	+25.1	+30.0	+26.8	+23.8	+16.3	+ 9.9	+ 4.4	- 3.3	- 9.0	- 8.1	- 9.8	- 9.8	- 9.8	- 5.3	- 2.7	- 0.1	+ 1.4	- 3.1	- 9.3	12.2
	III	- 1.0	- 8.6	-13.6	-11.6	- 5.0	+ 4.3	+14.8	+20.2	+19.5	+13.4	+ 8.7	+ 2.9	- 3.8	- 9.1	-14.7	-13.2	- 8.8	- 6.2	- 3.0	- 0.8	+ 0.8	+ 4.8	+ 5.6	+ 4.4	8.3
	YEAR	-22.0	-26.3	-22.5	-10.0	+ 5.4	+20.1	+28.1	+28.8	+24.9	+17.5	+10.5	+ 4.5	- 1.3	- 7.0	-10.2	- 9.6	- 8.4	- 6.4	- 3.5	- 1.8	+ 0.7	+ 3.0	- 3.5	-11.0	12.0

TABLE 359

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-16	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 6	- 4	- 2	- 2	- 1	- 5	-11	-16	-17	- 9	+ 3	+17	+28	+35	+30	+18	+ 4	- 3	- 8	-10	-10	-11	-11	- 8	11.2
FEB	I	-10	- 6	- 2	+ 1	+ 1	0	- 8	-18	-26	-23	- 7	+15	+34	+46	+43	+28	+10	- 3	-10	-11	-12	-15	-14	-13	14.9
MAR	II	- 8	- 6	- 4	- 2	- 1	- 2	- 6	-11	-17	-16	- 5	+12	+28	+39	+36	+24	+ 9	- 3	- 8	-11	-12	-12	-12	-10	12.4
APR	II	- 6	- 3	- 1	0	+ 2	+ 2	- 2	- 8	-11	- 9	+ 1	+15	+26	+28	+23	+14	+ 2	- 5	- 7	-11	-14	-14	-11	-10	9.4
MAY	III	- 3	- 2	0	+ 1	0	0	+ 1	0	- 5	- 6	- 2	+ 6	+13	+18	+18	+12	+ 2	- 4	- 6	- 8	-10	-11	- 8	- 6	6.0
JUN	III	- 2	+ 1	+ 1	+ 2	+ 1	+ 1	+ 1	+ 3	- 1	- 4	- 2	+ 4	+ 8	+13	+14	+ 9	+ 2	- 4	- 7	- 9	- 9	- 9	- 8	- 5	5.0
JUL	III	- 4	- 2	+ 2	+ 2	+ 2	+ 3	+ 4	+ 4	- 1	- 4	- 2	+ 5	+ 9	+11	+14	+11	+ 3	- 3	- 5	- 7	-10	-11	-11	- 8	5.7
AUG	III	- 4	- 3	- 1	0	+ 1	+ 1	+ 2	- 2	-10	-14	-13	- 5	+ 8	+21	+27	+23	+10	- 1	- 4	- 5	- 8	- 8	- 8	- 6	7.7
SEP	II	- 8	- 4	- 4	- 2	- 2	- 3	- 5	-12	-16	-14	- 4	+14	+30	+36	+39	+18	+ 7	- 3	- 6	- 8	-10	-11	-11	-10	11.2
OCT	II	- 9	- 7	- 5	- 3	- 4	- 7	-16	-22	-24	-13	+10	+35	+48	+48	+36	+19	+ 2	- 9	-12	-12	-15	-14	-14	-12	16.5
NOV	I	- 7	- 3	- 2	- 2	- 4	- 9	-16	-21	-20	- 7	+12	+34	+43	+44	+32	+15	- 1	-11	-14	-12	-13	-14	-13	-10	15.0
DEC	I	- 8	- 5	- 4	- 5	- 6	-12	-17	-22	-20	- 9	+12	+33	+44	+42	+33	+17	+ 2	- 8	-13	-12	-10	-11	-11	-10	15.2
MEANS	I	- 7.9	- 4.6	- 2.6	- 1.8	- 2.6	- 6.3	-12.8	-19.2	-20.8	-11.9	+ 5.1	+24.6	+37.4	+42.0	+34.2	+19.4	+ 3.9	- 6.5	-11.2	-11.1	-11.4	-12.6	-12.4	-10.4	13.9
	II	- 7.8	- 5.3	- 3.4	- 1.7	- 1.4	- 2.7	- 7.2	-13.4	-17.0	-13.0	+ 0.6	+19.1	+33.2	+37.5	+31.1	+18.8	+ 5.1	- 4.9	- 8.4	-10.6	-12.8	-13.0	-12.0	-10.3	12.1
	III	- 3.5	- 1.4	+ 0.5	+ 0.9	+ 0.8	+ 1.2	+ 1.9	+ 1.2	- 4.2	- 6.8	- 4.9	+ 2.3	+ 9.6	+15.8	+18.2	+13.7	+ 4.3	- 3.3	- 5.6	- 7.4	- 9.2	- 9.7	- 8.8	- 6.3	5.9
	YEAR	- 6.4	- 3.8	- 1.8	- 0.9	- 1.0	- 2.6	- 6.1	-10.4	-14.0	-10.6	+ 0.3	+15.4	+26.7	+31.8	+27.8	+17.3	+ 4.4	- 4.9	- 8.4	- 9.7	-11.1	-11.8	-11.0	- 9.0	10.3

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 8	- 6	- 5	- 5	- 5	- 7	-11	-15	-16	- 8	+ 2	+14	+26	+31	+29	+17	+ 5	- 1	- 5	- 6	- 6	- 6	- 7	- 7	10.3
FEB	I	- 9	- 7	- 4	- 3	- 3	- 6	-12	-22	-30	-25	- 6	+18	+38	+48	+45	+32	+13	- 2	-10	- 9	-10	-13	-13	-11	16.2
MAR	II	-10	- 7	- 5	- 5	- 5	- 5	- 8	-14	-23	-24	-13	+10	+32	+44	+42	+30	+12	- 1	- 6	- 7	- 9	-10	-10	-10	14.1
APR	II	- 6	- 5	- 2	- 3	- 1	- 1	- 6	-11	-15	-12	- 3	+13	+25	+29	+26	+17	+ 8	- 2	- 5	- 7	- 9	-10	-10	- 8	9.8
MAY	III	- 4	- 1	- 1	- 2	- 2	- 3	- 3	- 5	- 7	- 8	- 4	+ 6	+14	+20	+20	+14	+ 5	- 1	- 4	- 6	- 8	- 8	- 7	- 4	6.6
JUN	III	- 4	- 2	0	0	- 1	- 1	- 1	0	- 5	- 8	- 7	+ 2	+ 8	+14	+16	+12	+ 3	0	- 4	- 4	- 5	- 5	- 4	- 3	4.6
JUL	III	- 3	- 2	0	0	0	+ 1	+ 1	+ 2	- 5	- 7	- 6	+ 1	+ 7	+12	+16	+13	+ 5	- 1	- 3	- 4	- 6	- 7	- 7	- 6	4.8
AUG	III	- 6	- 4	- 2	- 1	0	+ 1	+ 3	- 1	-10	-16	-16	- 8	+ 7	+22	+29	+25	+12	0	- 3	- 4	- 7	- 8	- 8	- 7	8.3
SEP	II	- 6	- 4	- 4	- 2	- 2	- 2	- 5	-12	-18	-18	- 8	+ 7	+24	+32	+29	+19	+ 9	- 1	- 4	- 5	- 6	- 7	- 8	- 7	10.0
OCT	II	- 8	- 6	- 5	- 4	- 6	-10	-17	-25	-26	-16	+ 8	+35	+49	+48	+35	+18	+ 2	- 8	-10	-10	-10	-11	-11	- 9	16.1
NOV	I	- 8	- 4	- 3	- 3	- 6	-10	-17	-20	-19	- 8	+ 6	+25	+38	+42	+33	+18	+ 4	- 7	-10	- 9	-10	-11	-10	- 9	13.8
DEC	I	- 8	- 6	- 5	- 5	- 6	-12	-17	-21	-17	- 6	+13	+30	+38	+37	+29	+16	+ 2	- 8	-12	- 9	- 8	- 9	-10	- 8	13.7
MEANS	I	- 8.2	- 6.0	- 4.2	- 4.0	- 4.9	- 8.8	-14.2	-19.4	-20.4	-12.1	+ 4.0	+21.8	+34.8	+39.6	+34.1	+20.7	+ 5.8	- 4.6	- 9.0	- 8.1	- 8.4	- 9.8	- 9.8	- 8.6	13.4
	II	- 7.6	- 5.6	- 3.9	- 3.4	- 3.4	- 4.6	- 9.0	-15.4	-20.6	-17.6	- 4.1	+16.2	+32.4	+38.4	+32.6	+21.0	+ 7.4	- 2.8	- 6.2	- 7.3	- 8.6	- 9.6	- 9.7	- 8.5	12.3
	III	- 4.2	- 2.3	- 0.9	- 0.6	- 0.6	- 0.5	0.0	- 0.9	- 6.7	- 9.9	- 8.1	+ 0.5	+ 9.2	+17.0	+20.2	+15.9	+ 6.2	- 0.8	- 3.6	- 4.6	- 6.5	- 7.1	- 6.5	- 5.2	5.8
	YEAR	- 6.6	- 4.6	- 3.0	- 2.7	- 3.0	- 4.6	- 7.7	-11.9	-15.9	-13.2	- 2.8	+12.8	+25.5	+31.6	+29.0	+19.2	+ 6.5	- 2.7	- 6.3	- 3.7	- 7.8	- 8.8	- 8.6	- 7.4	10.4

TABLE 359--CONCLUDED

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-15	- 5	+ 5	+17	+27	+33	+30	+18	+ 6	- 3	- 7	- 7	- 7	- 7	- 8	- 8	- 8	- 7	- 5	- 5	- 5	- 8	-14	-16	11.2
FEB	I	-31	-24	- 3	+18	+35	+42	+43	+33	+16	0	- 9	- 9	-10	-13	-11	-10	- 8	- 6	- 5	- 4	- 4	- 6	-12	-19	15.5
MAR	II	-27	-30	-17	+ 9	+33	+49	+46	+33	+14	0	- 5	- 7	-10	-11	-11	-10	- 8	- 7	- 5	- 4	- 4	- 4	- 8	-15	15.3
APR	II	-17	-13	- 4	+14	+26	+30	+27	+18	+ 8	- 2	- 5	- 7	-10	-10	- 9	- 8	- 5	- 3	- 3	- 3	- 3	- 4	- 7	-13	10.3
MAY	III	-11	-11	- 7	+ 5	+16	+23	+22	+15	+ 6	- 1	- 4	- 7	- 9	- 9	- 8	- 7	- 3	- 2	0	0	0	- 1	- 1	- 5	7.2
JUN	III	- 5	- 7	- 6	+ 1	+ 8	+12	+16	+14	+ 3	+ 1	- 5	- 5	- 6	- 6	- 4	- 3	- 2	- 1	0	0	0	- 1	- 1	- 1	4.5
JUL	III	- 6	- 8	- 6	+ 2	+ 7	+12	+15	+11	+ 4	- 1	- 3	- 4	- 6	- 6	- 5	- 5	- 3	- 2	- 1	0	0	+ 1	+ 2	+ 3	4.7
AUG	III	-10	-15	-16	- 9	+ 7	+23	+31	+26	+13	0	- 3	- 4	- 7	- 7	- 8	- 8	- 6	- 4	- 1	- 1	- 1	0	+ 1	- 1	8.4
SEP	II	-18	-17	- 7	+ 7	+23	+31	+28	+19	+ 8	- 1	- 4	- 5	- 6	- 7	- 8	- 6	- 5	- 4	- 3	- 3	- 3	- 3	- 5	-11	9.7
OCT	II	-24	-13	+10	+34	+45	+44	+33	+17	+ 2	- 6	- 9	-10	-10	-11	-11	-10	- 9	- 7	- 5	- 5	- 6	-10	-17	-26	15.5
NOV	I	-18	- 8	+ 3	+21	+36	+39	+32	+19	+ 6	- 6	-10	- 9	- 8	- 8	- 8	- 7	- 7	- 6	- 5	- 6	- 7	-11	-17	-18	13.1
DEC	I	-10	0	+16	+28	+33	+32	+26	+14	0	- 7	-11	- 8	- 7	- 8	-10	- 8	- 7	- 5	- 6	- 7	- 8	-12	-17	-20	12.5
MEANS	I	-18.3	- 9.3	+ 5.3	+21.0	+32.7	+36.7	+32.8	+20.8	+ 6.8	- 3.8	- 9.1	- 8.5	- 8.3	- 9.1	- 9.2	- 8.3	- 7.1	- 6.0	- 5.3	- 5.5	- 6.0	- 9.3	-15.0	-18.2	13.0
	II	-21.4	-18.4	- 4.2	+16.0	+31.8	+38.4	+33.5	+21.8	+ 7.8	- 2.3	- 6.0	- 7.2	- 8.8	- 9.7	- 9.6	- 8.6	- 6.8	- 5.2	- 3.9	- 3.6	- 4.0	- 5.3	- 9.0	-16.2	12.5
	III	- 8.1	-10.4	- 8.7	- 0.3	+ 9.5	+17.4	+21.1	+16.3	+ 6.4	- 0.3	- 3.9	- 4.9	- 6.8	- 7.0	- 6.4	- 5.5	- 3.5	- 2.2	- 0.7	- 0.3	- 0.4	- 0.2	+ 0.1	- 0.9	5.9
	YEAR	-16.0	-12.7	- 2.6	+12.2	+24.7	+30.8	+29.1	+19.6	+ 7.0	- 2.1	- 6.3	- 6.8	- 8.0	- 8.6	- 8.4	- 7.5	- 5.8	- 4.5	- 3.3	- 3.1	- 3.4	- 4.9	- 8.0	-11.8	10.3

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-15	- 4	+13	+26	+36	+36	+29	+16	+ 1	- 8	-14	-17	-16	-16	-18	-10	- 5	- 4	- 4	- 3	- 2	+ 3	- 8	-15	13.3
FEB	I	-26	-22	-12	+10	+29	+41	+38	+22	+ 6	- 6	-11	-18	-17	-22	-20	-16	-10	- 1	+ 8	+11	+13	+14	+ 2	+13	16.1
MAR	II	-10	- 7	+ 4	+20	+32	+39	+32	+16	+ 4	- 9	-19	-24	-18	-21	-18	-10	- 8	- 7	+ 3	+ 2	+ 3	+ 3	- 2	- 5	13.2
APR	II	- 3	0	+ 5	+12	+18	+19	+12	+ 2	- 9	-12	-14	-16	-24	-24	-14	- 9	- 1	+ 6	+ 9	+12	+10	+13	+ 7	+ 1	10.5
MAY	III	0	- 1	+ 1	+ 6	+12	+17	+17	+10	- 2	- 8	- 8	-11	-16	-14	-12	- 7	- 1	- 1	+ 4	+ 5	+ 2	+ 4	+ 4	- 1	6.9
JUN	III	+ 9	+ 7	+ 5	+ 6	+10	+17	+13	+ 8	- 1	-10	-18	-24	-21	-20	-17	- 7	+ 2	+ 7	+ 5	+ 6	+ 4	+ 6	+ 5	+ 8	9.8
JUL	III	+ 7	+ 7	+ 7	+11	+15	+13	+16	+13	+ 6	- 1	- 3	-12	-25	-28	-32	-26	-13	- 5	+ 4	+ 4	+ 7	+14	+14	+ 9	12.1
AUG	III	- 4	-10	-11	- 8	+ 2	+13	+20	+20	+10	0	- 4	- 6	-10	-10	-10	- 6	- 3	- 2	0	+ 2	+ 8	+ 4	+ 4	+ 2	7.0
SEP	II	-11	- 4	+12	+35	+50	+48	+32	+ 9	0	- 8	-12	-15	-20	-25	-20	-14	-12	- 3	- 5	- 2	- 4	- 7	-10	-17	15.5
OCT	II	-17	- 6	+22	+44	+54	+53	+41	+23	+ 2	-16	-19	-20	-28	-25	-19	-13	-13	-12	- 7	- 2	+ 1	- 7	-17	-20	20.1
NOV	I	-23	- 2	+29	+53	+58	+55	+34	+16	- 8	-21	-24	-22	-25	-29	-26	-16	-10	0	+ 1	- 1	0	- 4	-14	-21	20.5
DEC	I	-21	- 6	+17	+45	+61	+58	+40	+18	0	-10	-20	-22	-18	-16	-17	-12	-10	- 4	- 2	- 7	- 9	-15	-23	-28	20.0
MEANS	I	-21.2	-8.6	+11.8	+33.6	+45.8	+47.6	+35.2	+18.2	- 0.4	-11.1	-17.4	-19.6	-18.8	-20.6	-20.2	-13.6	- 8.8	- 2.3	+ 0.8	- 0.2	+ 0.5	- 0.6	-10.8	-19.4	16.1
	II	-10.3	- 4.3	+10.6	+28.0	+38.7	+39.7	+29.0	+12.7	- 0.7	-11.3	-15.8	-18.8	-22.8	-23.8	-17.4	-11.5	- 8.5	- 3.8	- 0.2	+ 2.7	+ 2.7	+ 0.4	- 5.6	-10.2	13.7
	III	+ 2.9	+ 0.5	+ 0.5	+ 3.9	+ 9.7	+14.9	+16.3	+12.9	+ 3.5	- 4.7	- 8.2	-13.4	-17.9	-18.3	-17.5	-11.4	- 3.8	- 0.2	+ 3.2	+ 4.3	+ 5.3	+ 7.0	+ 6.5	+ 4.4	8.0
	YEAR	- 9.5	- 4.1	+ 7.7	+21.8	+31.4	+34.1	+26.8	+14.6	+ 0.8	- 9.0	-13.8	-17.3	-19.8	-20.9	-18.3	-12.1	- 7.0	- 2.1	+ 1.3	+ 2.3	+ 2.8	+ 2.3	- 3.3	- 8.4	12.2

TABLE 360

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 6	+ 5	+ 4	+ 3	+ 3	+ 6	+13	+17	+17	+ 9	- 4	-19	-29	-33	-29	-17	- 5	+ 3	+ 7	+ 7	+ 9	+ 9	+ 9	+ 8	11.3
FEB	I	+11	+ 8	+ 4	+ 2	+ 1	+ 3	+11	+19	+25	+18	+ 1	-19	-37	-46	-40	-25	- 9	+ 3	+ 9	+10	+11	+14	+14	+13	14.7
MAR	II	+ 9	+ 7	+ 5	+ 5	+ 5	+ 5	+ 9	+14	+17	+16	+ 5	-12	-28	-39	-37	-25	-11	0	+ 6	+ 9	+10	+11	+10	+10	12.7
APR	II	+ 8	+ 6	+ 4	+ 3	+ 3	+ 2	+ 6	+10	+13	+ 9	- 1	-15	-27	-31	-27	-19	- 7	+ 2	+ 5	+ 8	+12	+12	+11	+10	10.5
MAY	III	+ 3	+ 3	+ 2	+ 2	+ 3	+ 3	+ 2	+ 5	+10	+10	+ 4	- 6	-16	-22	-23	-17	- 6	+ 3	+ 5	+ 5	+ 8	+ 8	+ 7	+ 6	7.5
JUN	III	+ 2	0	0	+ 1	+ 2	+ 2	+ 1	+ 1	+ 6	+ 8	+ 5	- 3	- 9	-15	-18	-13	- 5	+ 2	+ 5	+ 7	+ 7	+*7	+ 6	+ 4	5.3
JUL	III	+ 2	+ 1	- 1	- 1	0	- 1	0	+ 1	+ 6	+ 9	+ 7	- 1	- 7	-12	-16	-13	- 6	+ 2	+ 2	+ 3	+ 6	+ 7	+ 7	+ 5	4.8
AUG	III	+ 4	+ 3	+ 2	+ 2	+ 1	+ 1	+ 2	+ 6	+14	+16	+14	+ 4	-10	-23	-30	-26	-12	0	+ 4	+ 5	+ 6	+ 6	+ 6	+ 4	8.3
SEP	II	+ 6	+ 4	+ 4	+ 3	+ 4	+ 5	+ 9	+16	+20	+17	+ 6	-11	-29	-36	-31	-21	- 9	+ 1	+ 4	+ 6	+ 8	+ 8	+ 8	+ 8	11.4
OCT	II	+ 9	+ 8	+ 7	+ 6	+ 6	+10	+18	+24	+22	+10	-13	-36	-48	-47	-34	-18	- 2	+ 8	+10	+11	+12	+12	+12	+12	16.5
NOV	I	+ 7	+ 4	+ 3	+ 3	+ 5	+10	+18	+23	+20	+ 6	-13	-33	-42	-43	-32	-15	0	+10	+12	+11	+12	+12	+12	+10	14.8
DEC	I	+ 8	+ 5	+ 4	+ 4	+ 6	+12	+20	+24	+21	+10	-11	-32	-42	-42	-33	-18	- 3	+ 8	+12	+10	+10	+10	+10	+ 9	15.0
MEANS	I	+ 8.0	+ 5.5	+ 3.7	+ 2.8	+ 3.6	+ 8.0	+15.3	+20.7	+20.6	+10.8	- 6.6	-25.6	-37.6	-41.0	-33.4	-18.7	- 4.2	+ 5.7	+ 9.7	+ 9.6	+10.5	+11.4	+11.2	+ 9.8	13.9
	II	+ 7.8	+ 6.5	+ 5.0	+ 4.3	+ 4.5	+ 5.6	+10.4	+16.2	+18.1	+13.1	- 0.8	-18.5	-33.0	-38.2	-32.5	-20.5	- 7.2	+ 2.6	+ 6.4	+ 8.4	+10.5	+10.9	+10.4	+ 9.6	12.5
	III	+ 2.6	+ 1.7	+ 1.0	+ 1.0	+ 1.2	+ 1.3	+ 1.4	+ 3.2	+ 8.9	+10.9	+ 7.5	- 1.5	-10.4	-18.0	-21.5	-17.2	- 7.3	+ 1.5	+ 3.9	+ 5.3	+ 6.6	+ 7.0	+ 6.6	+ 4.8	6.4
	YEAR	+ 6.2	+ 4.6	+ 32.	+ 2.7	+ 3.1	+ 5.0	+ 9.0	+13.4	+15.9	+11.6	0.0	-15.2	-27.0	-32.4	-29.2	-18.8	- 6.2	+ 3.2	+ 6.7	+ 7.8	+ 9.2	+ 9.8	+ 9.4	+ 8.1	10.7

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 7	+ 6	+ 4	+ 3	+ 4	+ 7	+12	+16	+17	+10	0	-14	-26	-30	-27	-16	- 5	+ 1	+ 4	+ 5	+ 5	+ 5	+ 6	+ 6	9.9
FEB	I	+ 8	+ 7	+ 5	+ 4	+ 4	+ 6	+13	+23	+29	+22	+ 1	-22	-40	-48	-43	-28	-10	+ 4	+10	+10	+11	+13	+12	+11	16.1
MAR	II	+ 9	+ 6	+ 5	+ 6	+ 6	+ 6	+10	+17	+24	+24	+12	- 9	-31	-44	-41	-30	-13	- 1	+ 4	+ 6	+ 8	+ 9	+ 9	+ 8	14.0
APR	II	+ 7	+ 6	+ 4	+ 4	+ 3	+ 4	+ 8	+13	+16	+13	+ 2	-14	-28	-33	-29	-20	- 9	+ 1	+ 5	+ 8	+10	+10	+10	+ 9	11.1
MAY	III	+ 3	+ 2	+ 2	+ 3	+ 4	+ 5	+ 5	+ 8	+11	+11	+ 4	- 8	-18	-24	-24	-17	- 6	+ 2	+ 4	+ 6	+ 8	+ 8	+ 7	+ 5	8.1
JUN	III	+ 2	0	0	0	+ 1	+ 2	+ 2	+ 2	+ 7	+10	+ 7	- 2	- 9	-16	-19	-14	- 4	+ 1	+ 5	+ 5	+ 6	+ 5	+ 4	+ 3	5.3
JUL	III	+ 2	+ 1	0	- 1	0	0	+ 1	+ 1	+ 8	+10	+ 9	+ 1	- 6	-12	-17	-16	- 8	0	+ 3	+ 4	+ 5	+ 6	+ 5	+ 5	5.0
AUG	III	+ 5	+ 3	+ 2	+ 1	0	0	0	+ 5	+15	+19	+17	+ 8	- 8	-23	-31	-28	-15	- 1	+ 3	+ 4	+ 6	+ 6	+ 6	+ 6	8.8
SEP	II	+ 4	+ 3	+ 3	+ 2	+ 3	+ 4	+ 8	+15	+21	+20	+10	- 6	-24	-34	-32	-23	-11	- 1	+ 4	+ 5	+ 6	+ 7	+ 8	+ 7	10.9
OCT	II	+ 7	+ 6	+ 5	+ 5	+ 7	+11	+19	+26	+24	+13	-10	-35	-47	-46	-33	-16	- 1	+ 7	+10	+10	+10	+10	+10	+ 9	15.6
NOV	I	+ 8	+ 4	+ 3	+ 4	+ 6	+12	+19	+22	+20	+ 8	- 8	-27	-40	-43	-33	-18	- 4	+ 8	+10	+ 9	+10	+11	+10	+ 9	14.4
DEC	I	+ 7	+ 5	+ 4	+ 4	+ 6	+13	+20	+22	+18	+ 8	-12	-28	-36	-36	-29	-17	- 3	+ 7	+10	+ 8	+ 7	+ 9	+ 9	+ 7	13.6
MEANS	I	+ 7.4	+ 5.7	+ 4.0	+ 3.6	+ 4.7	+ 9.5	+15.9	+21.0	+20.9	+12.0	- 4.8	-23.0	-35.4	-39.4	-33.3	-20.1	- 5.4	+ 4.8	+ 8.6	+ 7.9	+ 8.4	+ 9.5	+ 9.2	+ 8.4	13.5
	II	+ 6.6	+ 5.3	+ 4.2	+ 4.2	+ 4.6	+ 6.1	+11.0	+17.8	+21.4	+17.3	+ 3.4	-15.9	-32.5	-39.0	-33.7	-22.2	- 8.6	+ 1.6	+ 5.8	+ 7.3	+ 8.4	+ 9.2	+ 9.2	+ 8.4	12.7
	III	+ 2.9	+ 1.6	+ 0.8	+ 0.7	+ 1.1	+ 1.7	+ 1.8	+ 3.9	+10.2	+12.5	+ 9.3	- 0.4	-10.2	-18.7	-22.7	-18.7	- 8.3	+ 0.4	+ 4.0	+ 4.8	+ 6.0	+ 6.3	+ 5.9	+ 4.8	6.6
	YEAR	+ 5.7	+ 4.2	+ 3.0	+ 2.8	+ 3.5	+ 5.8	+ 9.5	+14.2	+17.5	+13.9	+ 2.6	-13.1	-26.0	-32.4	-29.9	-20.3	- 7.4	+ 2.3	+ 6.1	+ 6.6	+ 7.6	+ 8.3	+ 8.1	+ 7.2	10.8

TABLE 360--CONCLUDED

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1936

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+16	+ 8	- 3	-15	-26	-31	-28	-17	- 6	+ 2	+ 6	+ 6	+ 6	+ 6	+ 6	+ 6	+ 6	+ 4	+ 4	+ 5	+ 6	+ 9	+15	+17	10.5
FEB	I	+28	+20	0	-22	-37	-43	-42	-30	-14	0	+ 8	+10	+11	+12	+11	+10	+ 8	+ 8	+ 6	+ 6	+ 5	+ 9	+16	+22	15.7
MAR	II	+27	+29	+16	- 7	-30	-46	-44	-32	-14	- 1	+ 4	+ 7	+ 8	+ 9	+ 9	+ 8	+ 6	+ 5	+ 4	+ 4	+ 5	+ 6	+10	+17	14.6
APR	II	+16	+11	0	-16	-29	-33	-30	-21	-10	+ 1	+ 5	+ 7	+10	+10	+10	+ 8	+ 6	+ 5	+ 5	+ 5	+ 6	+ 7	+10	+17	11.6
MAY	III	+13	+11	+ 4	-10	-22	-27	-26	-17	- 6	+ 2	+ 5	+ 7	+ 9	+ 9	+ 9	+ 7	+ 4	+ 3	+ 2	+ 2	+ 3	+ 4	+ 5	+ 9	9.0
JUN	III	+ 8	+ 9	+ 7	0	- 8	-15	-19	-16	- 4	0	+ 6	+ 5	+ 5	+ 5	+ 3	+ 3	+ 1	0	0	0	+ 1	+ 2	+ 3	+ 4	5.1
JUL	III	+ 8	+10	+ 9	0	- 7	-13	-18	-15	- 8	0	+ 3	+ 3	+ 5	+ 5	+ 4	+ 4	+ 3	+ 2	+ 1	+ 1	0	+ 1	+ 1	+ 2	5.1
AUG	III	+14	+18	+18	+ 9	- 8	-24	-32	-28	-15	- 1	+ 3	+ 3	+ 6	+ 6	+ 6	+ 6	+ 4	+ 4	+ 2	+ 2	+ 2	+ 2	+ 1	+ 5	9.1
SEP	II	+19	+18	+ 7	- 8	-23	-32	-30	-22	-10	- 1	+ 4	+ 5	+ 6	+ 7	+ 7	+ 6	+ 5	+ 4	+ 3	+ 4	+ 5	+ 5	+ 8	+14	10.3
OCT	II	+21	+ 9	+13	-35	-45	-44	-32	-16	0	+ 6	+ 9	+ 9	+ 9	+10	+10	+ 9	+ 8	+ 7	+ 6	+ 6	+ 8	+12	+19	+28	15.4
NOV	I	+20	+ 9	- 4	-23	-38	-41	-33	-20	- 7	+ 5	+ 9	+ 8	+ 8	+7	+ 7	+ 7	+ 6	+ 6	+ 6	+ 6	+ 8	+13	+20	+21	13.8
DEC	I	+13	+ 4	-13	-27	-33	-32	-26	-15	- 1	+ 6	+ 9	+ 7	+ 6	+ 7	+ 8	+ 6	+ 5	+ 4	+ 5	+ 5	+ 7	+13	+20	+22	12.3
MEANS	I	+19.1	+11.0	- 5.1	-21.8	-33.3	-36.6	-32.4	-20.6	- 7.0	+ 3.2	+ 8.2	+ 7.5	+ 7.7	+ 8.2	+ 8.0	+ 7.2	+ 6.3	+ 5.4	+ 5.2	+ 5.4	+ 6.3	+10.8	+17.6	+20.4	13.1
	II	+20.8	+16.6	+ 2.3	-16.2	-32.0	-38.7	-33.8	-22.4	- 8.6	+ 1.2	+ 5.6	+ 6.8	+ 8.2	+ 9.1	+ 9.0	+ 7.8	+ 6.4	+ 5.4	+ 4.6	+ 4.8	+ 5.7	+ 7.4	+11.6	+18.8	12.7
	III	+10.6	+12.2	+ 9.3	- 0.4	-11.2	-19.6	-23.9	-19.0	- 8.3	- 0.1	+ 4.1	+ 4.7	+ 6.2	+ 6.1	+ 5.6	+ 4.9	+ 3.2	+ 2.2	+ 1.4	+ 1.2	+ 1.6	+ 1.9	+ 2.4	+ 4.8	6.9
	YEAR	+16.8	+13.0	+ 2.2	-12.8	-25.5	-31.6	-30.0	-20.7	- 8.0	+ 1.5	+ 6.0	+ 6.3	+ 7.4	+ 7.8	+ 7.5	+ 6.6	+ 5.3	+ 4.3	+ 3.7	+ 3.8	+ 4.5	+ 6.7	+10.5	+14.7	10.7

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+17	+ 7	- 8	-22	-30	-30	-25	-14	- 4	+ 5	+11	+13	+15	+12	+13	+ 7	+ 4	+ 4	+ 5	+ 2	0	- 2	+ 9	+12	11.3
FEB	I	+27	+20	+ 9	-14	-34	-42	-36	-21	- 8	+ 3	+ 9	+16	+13	+18	+18	+13	+10	+ 3	- 3	- 4	- 8	- 7	+ 4	+15	14.8
MAR	II	+14	+10	- 4	-19	-30	-36	-33	-19	- 8	+ 1	+10	+18	+14	+17	+14	+10	+ 9	+ 8	+ 2	+ 4	+ 4	+ 1	+ 6	+ 8	12.4
APR	II	+ 6	+ 2	- 4	-14	-19	-22	-20	-12	- 1	+ 4	+10	+11	+19	+18	+11	+ 8	+ 3	+ 4	+ 1	- 1	0	- 4	0	+ 1	8.1
MAY	III	+ 8	+ 9	+ 4	- 4	-12	-20	-22	-15	- 5	+ 4	+ 6	+ 7	+11	+ 8	+ 7	+ 6	+ 2	+ 1	- 1	0	+ 2	0	0	+ 4	6.7
JUN	III	+ 8	+12	+ 9	- 2	-10	-17	-18	-15	- 9	- 2	+ 3	+11	+12	+13	+11	+ 4	- 1	- 4	- 1	+13	+11	+ 4	- 1	- 4	7.1
JUL	III	+ 7	+ 8	+ 8	+ 3	- 4	- 8	-12	- 9	- 4	- 1	- 1	0	+ 7	+12	+17	+14	+ 6	0	- 4	- 5	- 6	-11	-10	- 5	6.8
AUG	III	+10	+15	+14	+ 8	- 2	-14	-24	-24	-14	- 2	+ 2	+ 4	+ 5	+ 6	+ 6	+ 3	+ 3	+ 2	+ 2	0	- 4	0	0	+ 3	6.9
SEP	II	+17	+11	- 5	-26	-42	-42	-29	-11	0	+ 7	+ 9	+10	+11	+14	+11	+11	+ 7	+ 2	+ 3	+ 2	+ 5	+ 7	+12	+19	13.0
OCT	II	+22	+10	-18	-40	-51	-49	-36	-19	0	+13	+13	+12	+19	+18	+13	+14	+13	+14	+17	+ 4	- 1	+ 8	+17	+19	17.8
NOV	I	+32	+12	-14	-41	-51	-49	-33	-15	+ 2	+13	+18	+17	+20	+21	+18	+10	+ 5	0	0	0	- 2	+ 2	+14	+20	17.0
DEC	I	+24	+ 8	-15	-42	-56	-55	-40	-19	- 1	+10	+17	+18	+16	+16	+13	+10	+10	+ 6	+ 2	+ 5	+ 7	+15	+24	+28	19.0
MEANS	I	+25.0	+11.8	- 7.1	-29.7	-43.0	-43.8	-33.4	-17.3	- 2.6	+ 7.6	+13.6	+16.0	+15.9	+16.7	+15.6	+10.2	+ 7.4	+ 3.0	+ 1.2	+ 0.7	- 0.8	+ 2.0	+12.5	+18.8	14.8
	II	+14.4	+ 8.2	- 7.5	-25.0	-35.4	-37.4	-29.5	-15.2	- 2.4	+ 6.2	+10.3	+12.6	+16.1	+16.4	+12.3	+10.5	+ 8.1	+ 7.0	+ 3.4	+ 2.2	+ 1.8	+ 3.0	+ 8.4	+11.8	12.7
	III	+ 8.3	+11.0	+ 8.6	+ 1.3	- 7.0	-14.9	-19.1	-15.7	- 8.2	- 0.1	+ 2.6	+ 5.7	+ 9.0	+ 9.6	+10.1	+ 6.8	+ 2.2	+ 0.2	- 1.3	- 1.4	- 1.7	- 3.1	- 2.5	- 0.3	6.3
	YEAR	+15.9	+10.3	- 2.0	-17.8	-28.5	-32.1	-27.3	-16.1	- 4.4	+ 4.6	+ 8.8	+11.4	+13.7	+14.2	+12.7	+ 9.1	+ 5.9	+ 3.4	+ 1.1	+ 0.5	- 0.2	+ 0.6	+ 6.1	+10.1	10.7

TABLE 361

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 0.2	0.0	- 0.2	- 0.3	- 0.7	- 1.4	- 3.2	- 4.9	- 6.5	- 6.7	- 4.0	- 0.1	+ 2.8	+ 4.6	+ 5.3	+ 4.4	+ 3.3	+ 2.3	+ 1.5	+ 1.2	+ 1.2	+ 1.0	+ 0.6	+ 0.1	2.4
FEB	I	- 0.5	- 0.6	- 0.4	0.0	+ 0.1	- 0.5	- 1.8	- 4.5	- 7.2	- 8.1	- 6.7	- 3.3	+ 0.9	+ 4.7	+ 6.5	+ 6.5	+ 5.4	+ 3.5	+ 2.3	+ 1.9	+ 1.2	+ 0.6	0.0	- 0.2	2.8
MAR	II	- 0.2	- 0.2	- 0.2	- 0.1	- 0.4	- 0.5	- 1.2	- 3.5	- 5.4	- 6.5	- 5.4	- 2.5	+ 0.9	+ 3.6	+ 5.0	+ 5.0	+ 4.2	+ 2.7	+ 1.7	+ 1.6	+ 0.8	+ 0.5	0.0	0.0	2.2
APR	II	- 0.4	- 0.1	0.0	0.0	0.0	0.0	+ 0.6	- 1.2	- 3.2	- 4.4	- 4.3	- 2.5	+ 0.2	+ 2.2	+ 3.2	+ 3.5	+ 2.8	+ 1.8	+ 1.1	+ 0.7	+ 0.4	0.0	- 0.2	- 0.3	1.4
MAY	III	- 0.8	- 0.5	- 0.5	- 0.2	+ 0.1	+ 0.1	+ 0.1	- 0.3	- 1.5	- 2.6	- 2.5	- 1.5	+ 0.1	+ 1.5	+ 2.6	+ 3.1	+ 2.6	+ 1.4	+ 0.8	+ 0.4	- 0.2	- 0.7	- 0.7	- 0.9	1.1
JUN	III	- 0.9	- 0.5	- 0.3	0.0	+ 0.2	+ 0.2	+ 0.3	+ 0.4	- 0.6	- 1.7	- 2.2	- 2.0	- 0.6	+ 0.8	+ 2.1	+ 2.8	+ 2.5	+ 1.4	+ 0.7	+ 0.5	0.0	- 0.7	- 1.1	- 1.0	1.0
JUL	III	- 0.9	- 0.7	- 0.4	- 0.2	+ 0.1	+ 0.1	+ 0.2	+ 0.3	- 0.4	- 1.7	- 2.6	- 2.2	- 0.9	+ 0.4	+ 2.0	+ 2.8	+ 2.6	+ 1.9	+ 1.0	+ 0.6	+ 0.3	- 0.4	- 0.9	- 1.0	1.0
AUG	III	- 0.4	- 0.3	- 0.1	+ 0.1	+ 0.1	+ 0.2	+ 0.2	0.0	- 2.0	- 3.7	- 4.8	- 4.3	- 2.0	+ 0.6	+ 2.8	+ 4.1	+ 3.9	+ 2.7	+ 1.8	+ 1.1	+ 0.4	+ 0.2	- 0.2	- 0.4	1.5
SEP	II	- 0.5	- 0.3	- 0.1	+ 0.2	+ 0.1	+ 0.1	0.0	- 1.3	- 3.4	- 4.7	- 4.9	- 3.8	- 1.2	+ 1.7	+ 3.6	+ 4.1	+ 3.5	+ 2.5	+ 1.6	+ 1.4	+ 0.9	+ 0.5	+ 0.1	- 0.4	1.7
OCT	II	- 0.5	- 0.4	- 0.2	+ 0.3	+ 0.4	- 0.1	- 1.2	- 2.9	- 4.7	- 5.8	- 5.6	- 3.5	- 0.1	+ 3.0	+ 5.3	+ 5.8	+ 4.6	+ 3.1	+ 1.9	+ 1.3	+ 0.5	- 0.1	- 0.6	- 0.7	2.2
NOV	I	+ 0.1	0.0	- 0.1	+ 0.1	- 0.2	- 0.9	- 2.1	- 3.7	- 5.0	- 5.2	- 4.1	- 1.8	+ 0.9	+ 3.2	+ 4.4	+ 4.3	+ 3.6	+ 2.6	+ 1.8	+ 1.4	+ 0.9	+ 0.2	- 0.2	- 0.3	2.0
DEC	I	- 0.6	- 0.8	- 0.7	- 0.2	- 0.6	- 1.1	- 2.3	- 3.2	- 4.2	- 4.4	- 3.2	- 1.4	+ 0.4	+ 2.3	+ 3.6	+ 3.9	+ 3.5	+ 2.8	+ 2.2	+ 1.8	+ 1.2	+ 0.8	+ 0.3	- 0.1	1.9
MEANS	I	- 0.3	- 0.3	- 0.4	- 0.1	- 0.3	- 1.0	- 2.4	- 4.1	- 5.7	- 6.1	- 4.5	- 1.6	+ 1.3	+ 3.7	+ 5.0	+ 4.8	+ 4.0	+ 2.8	+ 2.0	+ 1.6	+ 1.1	+ 0.7	+ 0.2	- 0.1	2.2
	II	- 0.4	- 0.3	- 0.1	+ 0.1	0.0	- 0.1	- 0.5	- 2.2	- 4.2	- 5.4	- 5.0	- 3.1	0.0	+ 2.6	+ 4.2	+ 4.6	+ 3.8	+ 2.5	+ 1.6	+ 1.3	+ 0.6	+ 0.2	- 0.2	- 0.3	1.8
	III	- 0.7	- 0.5	- 0.3	- 0.1	+ 0.1	+ 0.1	+ 0.2	+ 0.1	- 1.1	- 2.4	- 3.0	- 2.5	- 0.9	+ 0.8	+ 2.4	+ 3.2	+ 2.9	+ 1.9	+ 1.1	+ 0.6	+ 0.1	- 0.4	- 0.7	- 0.8	1.1
	YEAR	- 0.5	- 0.4	- 0.3	0.0	0.0	- 0.3	- 0.9	- 2.1	- 3.7	- 4.6	- 4.2	- 2.4	+ 0.1	+ 2.4	+ 3.9	+ 4.2	+ 3.6	+ 2.4	+ 1.5	+ 1.2	+ 0.6	+ 0.2	- 0.2	- 0.4	1.7

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	+ 0.1	+ 0.3	+ 0.2	- 0.1	- 0.4	- 1.2	- 2.8	- 4.7	- 6.1	- 6.5	- 4.4	- 1.0	+ 1.8	+ 4.2	+ 5.1	+ 4.3	+ 3.4	+ 2.2	+ 1.4	+ 1.3	+ 1.1	+ 0.8	+ 0.5	+ 0.3	2.3
FEB	I	0.0	+ 0.1	+ 0.2	+ 0.2	+ 0.1	- 0.6	- 2.0	- 4.9	- 8.1	- 9.3	- 7.7	- 4.0	+ 1.4	+ 5.6	+ 7.1	+ 6.7	+ 5.2	+ 3.1	+ 2.0	+ 1.7	+ 1.4	+ 1.0	+ 0.5	+ 0.3	3.0
MAR	II	- 0.2	- 0.2	0.0	+ 0.1	- 0.2	- 0.2	- 1.3	- 3.7	- 5.7	- 6.7	- 5.4	- 2.4	+ 0.9	+ 3.2	+ 4.4	+ 4.6	+ 3.6	+ 2.3	+ 1.4	+ 1.5	+ 1.4	+ 1.2	+ 0.8	+ 0.5	2.2
APR	II	- 0.4	- 0.4	- 0.2	- 0.1	0.0	- 0.2	- 0.7	- 2.1	- 3.6	- 4.4	- 4.0	- 2.2	+ 0.2	+ 2.1	+ 3.0	+ 3.2	+ 2.9	+ 2.3	+ 1.6	+ 1.2	+ 0.8	+ 0.5	+ 0.3	+ 0.2	1.5
MAY	III	- 0.6	- 0.2	- 0.1	- 0.2	- 0.3	- 0.3	- 0.4	- 1.0	- 2.2	- 3.2	- 2.9	- 1.7	- 0.1	+ 1.4	+ 2.7	+ 3.0	+ 2.8	+ 1.7	+ 1.0	+ 0.9	+ 0.4	0.0	- 0.3	- 0.5	1.2
JUN	III	- 0.7	- 0.1	0.0	+ 0.3	+ 0.4	+ 0.4	+ 0.3	+ 0.4	- 0.6	- 1.6	- 2.4	- 2.3	- 1.0	+ 0.4	+ 1.7	+ 2.5	+ 2.0	+ 1.2	+ 0.5	+ 0.1	0.0	- 0.5	- 0.6	- 0.5	0.8
JUL	III	- 0.5	- 0.3	- 0.1	+ 0.1	- 0.1	0.0	0.0	+ 0.1	- 0.8	- 2.2	- 3.0	- 2.5	- 1.2	+ 0.2	+ 1.8	+ 2.8	+ 2.6	+ 1.6	+ 0.8	+ 0.6	+ 0.3	0.0	- 0.1	- 0.1	0.9
AUG	III	- 0.1	- 0.1	0.0	0.0	0.0	+ 0.1	+ 0.4	+ 0.1	- 2.0	- 4.2	- 5.7	- 5.2	- 2.4	+ 0.6	+ 3.0	+ 4.2	+ 3.7	+ 2.4	+ 1.7	+ 1.3	+ 0.8	+ 0.6	+ 0.4	+ 0.2	1.6
SEP	II	- 0.6	- 0.6	- 0.3	+ 0.2	+ 0.2	+ 0.5	+ 0.3	- 1.1	- 3.3	- 4.9	- 5.2	- 4.0	- 1.4	+ 1.4	+ 3.6	+ 4.3	+ 3.5	+ 2.4	+ 1.8	+ 1.5	+ 0.9	+ 0.6	+ 0.2	- 0.1	1.8
OCT	II	- 0.4	- 0.2	+ 0.1	+ 0.5	+ 0.6	+ 0.2	- 1.1	- 3.0	- 5.2	- 6.3	- 5.7	- 3.5	- 0.1	+ 2.9	+ 4.8	+ 5.2	+ 4.1	+ 2.7	+ 1.7	+ 1.3	+ 1.0	+ 0.7	+ 0.2	- 0.2	2.2
NOV	I	+ 0.1	+ 0.2	+ 0.5	+ 0.6	+ 0.3	- 0.5	- 1.6	- 3.2	- 4.4	- 4.8	- 4.0	- 2.0	+ 0.6	+ 2.8	+ 3.9	+ 3.7	+ 2.8	+ 1.8	+ 1.2	+ 1.0	+ 0.8	+ 0.3	- 0.2	- 0.2	1.7
DEC	I	0.0	0.0	0.0	- 0.2	- 0.7	- 1.4	- 2.6	- 3.6	- 4.3	- 4.6	- 3.0	- 1.0	+ 0.5	+ 1.9	+ 2.9	+ 3.1	+ 2.9	+ 2.4	+ 2.0	+ 1.9	+ 1.6	+ 1.2	+ 0.8	+ 0.4	1.8
MEANS	I	+ 0.1	+ 0.1	+ 0.2	+ 0.2	- 0.2	- 0.9	- 2.3	- 4.1	- 5.7	- 6.3	- 4.8	- 2.0	+ 1.1	+ 3.6	+ 4.8	+ 4.4	+ 3.6	+ 2.4	+ 1.6	+ 1.5	+ 1.2	+ 0.8	+ 0.4	+ 0.2	2.2
	II	- 0.4	- 0.3	- 0.1	+ 0.2	+ 0.1	+ 0.1	- 0.7	- 2.5	- 4.4	- 5.6	- 5.1	- 3.0	- 0.1	+ 2.4	+ 4.0	+ 4.3	+ 3.5	+ 2.4	+ 1.6	+ 1.4	+ 1.0	+ 0.8	+ 0.4	+ 0.1	1.8
	III	- 0.5	- 0.2	0.0	+ 0.1	0.0	0.0	+ 0.1	- 0.1	- 1.4	- 2.8	- 3.5	- 2.9	- 1.2	+ 0.6	+ 2.3	+ 3.1	+ 2.8	+ 1.7	+ 1.0	+ 0.7	+ 0.4	+ 0.1	- 0.2	- 0.2	1.1
	YEAR	- 0.3	- 0.1	0.0	+ 0.1	0.0	- 0.3	- 1.0	- 2.2	- 3.8	- 4.9	- 4.4	- 2.6	- 0.1	+ 2.2	+ 3.7	+ 4.0	+ 3.3	+ 2.2	+ 1.4	+ 1.2	+ 0.9	+ 0.6	+ 0.2	0.0	1.6

TABLE 361--CONCLUDED

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H. Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 6.1	- 6.3	- 4.2	- 0.8	+ 1.7	+ 4.1	+ 4.9	+ 4.3	+ 3.5	+ 2.2	+ 1.5	+ 1.5	+ 1.4	+ 1.2	+ 0.8	+ 0.5	+ 0.3	+ 0.2	+ 0.2	0.0	- 0.4	- 1.4	- 3.4	- 5.5	2.4
FEB	I	- 8.3	- 9.6	- 8.5	- 5.1	+ 0.7	+ 5.7	+ 7.7	+ 7.4	+ 5.8	+ 3.6	+ 2.2	+ 1.9	+ 1.6	+ 1.0	+ 0.6	+ 0.4	+ 0.3	+ 0.1	0.0	0.0	- 0.1	- 0.6	- 2.1	- 4.8	3.3
MAR	II	- 6.3	- 7.9	- 6.7	- 3.5	+ 0.7	+ 3.5	+ 4.8	+ 4.9	+ 3.9	+ 2.6	+ 1.8	+ 1.8	+ 1.6	+ 1.4	+ 1.0	+ 0.7	+ 0.6	+ 0.4	+ 0.3	0.0	- 0.2	- 0.6	- 1.3	- 3.5	2.5
APR	II	- 3.6	- 4.6	- 3.9	- 1.9	+ 0.8	+ 2.7	+ 3.4	+ 3.2	+ 2.5	+ 1.9	+ 1.4	+ 0.8	+ 0.7	+ 0.4	+ 0.2	0.0	- 0.1	- 0.1	- 0.1	0.0	- 0.2	- 0.2	- 0.9	- 2.3	1.5
MAY	III	- 2.8	- 3.7	- 3.3	- 1.8	+ 0.2	+ 2.0	+ 3.1	+ 3.5	+ 2.8	+ 1.7	+ 0.9	+ 0.8	+ 0.4	0.0	- 0.3	- 0.4	- 0.4	- 0.2	- 0.2	- 0.2	- 0.2	- 0.3	- 0.4	- 1.0	1.3
JUN	III	- 0.4	- 1.8	- 2.5	- 2.1	- 0.9	+ 0.4	+ 1.8	+ 2.7	+ 2.3	+ 1.3	+ 0.7	+ 0.4	+ 0.1	- 0.2	- 0.5	- 0.4	- 0.1	- 0.2	- 0.2	- 0.1	- 0.2	- 0.2	- 0.1	+ 0.1	0.8
JUL	III	- 0.8	- 2.4	- 3.4	- 3.0	- 1.6	+ 0.1	+ 2.0	+ 2.9	+ 2.6	+ 1.5	+ 0.7	+ 0.4	+ 0.1	- 0.1	- 0.3	- 0.4	- 0.2	+ 0.1	+ 0.2	+ 0.3	+ 0.4	+ 0.4	+ 0.3	+ 0.2	1.0
AUG	III	- 2.2	- 4.3	- 5.6	- 5.0	- 2.0	+ 0.9	+ 3.2	+ 4.1	+ 3.6	+ 2.2	+ 1.5	+ 1.2	+ 0.6	+ 0.4	+ 0.2	+ 0.1	+ 0.1	+ 0.2	+ 0.2	+ 0.2	0.0	0.0	+ 0.2	- 0.3	1.6
SEP	II	- 3.6	- 4.9	- 4.8	- 3.3	- 0.3	+ 2.5	+ 4.2	+ 4.2	+ 3.0	+ 1.8	+ 1.3	+ 1.1	+ 0.8	+ 0.6	+ 0.1	+ 0.1	+ 0.1	0.0	0.0	+ 0.1	0.0	- 0.2	- 0.7	- 1.9	1.7
OCT	II	- 5.1	- 6.4	- 5.8	- 3.8	- 0.6	+ 2.4	+ 4.3	+ 4.7	+ 3.8	+ 2.4	+ 1.6	+ 1.5	+ 1.3	+ 1.0	+ 0.4	+ 0.1	+ 0.3	+ 0.4	+ 0.7	+ 0.7	+ 0.5	+ 0.1	- 1.2	- 3.2	2.2
NOV	I	- 6.1	- 6.8	- 6.0	- 3.0	+ 0.7	+ 3.6	+ 5.2	+ 5.2	+ 4.0	+ 2.7	+ 1.7	+ 1.5	+ 1.3	+ 1.0	+ 0.6	+ 0.4	+ 0.2	+ 0.2	+ 0.4	+ 0.3	0.0	- 0.7	- 2.2	- 4.4	2.4
DEC	I	- 4.0	- 4.4	- 2.8	- 1.1	+ 0.4	+ 1.9	+ 2.7	+ 3.0	+ 2.9	+ 2.2	+ 2.0	+ 2.0	+ 1.9	+ 1.3	+ 0.8	+ 2.2	0.0	- 0.1	- 0.2	- 0.3	- 0.8	- 1.5	- 2.6	- 3.5	1.8
MEANS	I	- 6.1	- 6.8	- 5.4	- 2.5	+ 0.9	+ 3.8	+ 5.2	+ 5.0	+ 4.1	+ 2.7	+ 1.9	+ 1.7	+ 1.5	+ 1.1	+ 0.7	+ 0.4	+ 0.2	+ 0.1	+ 0.1	0.0	- 0.3	- 1.0	- 2.6	- 4.5	2.4
	II	- 4.7	- 6.0	- 5.3	- 3.1	+ 0.1	+ 2.8	+ 4.2	+ 4.2	+ 3.3	+ 2.2	+ 1.5	+ 1.3	+ 1.1	+ 0.8	+ 0.4	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	0.0	- 0.2	- 1.0	- 2.7	1.9
	III	- 1.5	- 3.0	- 3.7	- 3.0	- 1.1	+ 0.8	+ 2.5	+ 3.3	+ 2.8	+ 1.7	+ 1.0	+ 0.7	+ 0.3	0.0	- 0.2	- 0.3	- 0.1	0.0	0.0	0.0	0.0	0.0	0.0	- 0.3	1.1
	YEAR	- 4.1	- 5.2	- 4.8	- 2.9	0.0	+ 2.5	+ 3.9	+ 4.2	+ 3.4	+ 2.2	+ 1.4	+ 1.2	+ 1.0	+ 0.7	+ 0.3	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	- 0.1	- 0.4	- 1.2	- 2.5	1.8

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 5.6	- 5.3	- 1.9	+ 2.3	+ 4.9	+ 5.4	+ 5.5	+ 3.9	+ 2.8	+ 2.0	+ 1.6	+ 0.9	+ 1.6	+ 1.2	+ 1.0	- 0.5	- 1.2	- 1.2	- 1.6	- 0.9	- 1.7	- 2.5	- 4.7	- 6.0	2.8
FEB	I	- 6.8	- 7.1	- 5.2	- 2.1	+ 0.1	+ 4.0	+ 6.2	+ 6.3	+ 6.1	+ 5.0	+ 3.8	+ 3.0	+ 1.8	+ 0.9	- 0.1	- 0.3	- 1.4	- 2.0	- 2.1	- 0.7	- 0.2	- 1.9	- 2.7	- 5.3	3.2
MAR	II	- 5.0	- 5.9	- 5.4	- 3.0	+ 0.4	+ 3.8	+ 5.8	+ 6.0	+ 6.6	+ 4.6	+ 3.0	+ 2.8	- 0.8	- 1.2	- 2.4	- 1.0	- 0.7	- 0.8	- 0.9	- 0.6	- 1.1	- 0.3	- 0.6	- 3.4	2.8
APR	II	- 0.8	- 3.2	- 4.8	- 3.4	- 0.4	+ 1.4	+ 2.4	+ 3.6	+ 2.3	+ 0.8	- 0.6	- 0.6	- 1.3	- 1.5	- 1.3	- 0.4	- 0.6	+ 0.7	+ 1.0	+ 1.1	+ 0.1	- 0.1	+ 5.0	+ 0.6	1.6
MAY	III	+ 0.4	- 0.6	- 0.4	0.0	+ 1.1	+ 1.2	+ 1.7	+ 1.8	+ 1.8	+ 0.6	+ 0.1	- 0.6	- 1.1	- 2.2	- 1.6	- 2.2	- 1.1	- 0.8	- 1.8	- 1.4	+ 1.1	+ 1.2	+ 1.5	+ 1.4	1.2
JUN	III	- 0.4	- 1.6	- 1.7	- 1.6	- 0.2	+ 1.6	+ 2.6	+ 2.8	+ 2.7	+ 1.9	+ 1.4	+ 1.6	+ 0.1	- 1.5	- 1.6	- 2.2	- 2.4	- 2.1	- 1.7	- 1.0	+ 0.3	+ 0.8	+ 1.3	+ 1.1	1.5
JUL	III	- 0.1	- 1.5	- 2.6	- 2.0	- 0.5	+ 1.1	+ 3.4	+ 4.0	+ 3.0	+ 3.2	+ 1.7	+ 0.4	- 0.4	- 1.7	- 2.0	- 2.0	- 1.9	- 1.7	- 1.2	- 1.0	0.0	+ 0.5	+ 0.6	+ 0.5	1.5
AUG	III	- 2.0	- 2.9	- 3.3	- 2.6	- 0.4	+ 1.6	+ 3.2	+ 5.2	+ 5.4	+ 4.2	+ 2.3	- 0.4	- 1.2	- 1.2	- 2.4	- 2.5	- 2.1	- 1.3	- 0.6	+ 0.5	+ 0.4	0.0	- 0.2	+ 0.3	1.9
SEP	II	- 4.1	- 4.7	- 4.2	- 3.1	- 0.6	+ 2.3	+ 3.7	+ 4.1	+ 4.1	+ 2.9	+ 1.6	+ 1.3	+ 0.8	+ 0.4	+ 0.1	- 0.5	- 0.9	- 1.2	- 0.9	+ 0.3	+ 0.5	0.0	- 0.2	- 1.9	1.8
OCT	II	- 4.0	- 4.8	- 5.1	- 3.4	- 0.1	+ 3.1	+ 5.6	+ 6.2	+ 5.7	+ 3.9	+ 2.5	+ 0.8	- 0.5	- 1.5	- 2.1	- 1.8	- 0.7	- 0.9	- 0.6	- 0.5	+ 0.3	+ 0.1	- 0.4	- 1.7	2.3
NOV	I	- 5.1	- 4.3	- 2.5	- 0.2	+ 1.8	+ 3.8	+ 4.9	+ 5.3	+ 4.9	+ 4.2	+ 3.3	+ 1.4	+ 0.4	- 0.5	- 1.1	- 1.7	- 1.1	- 0.9	- 2.1	- 2.1	- 1.2	- 1.0	- 2.8	- 3.4	2.5
DEC	I	- 5.1	- 5.1	- 3.7	- 1.5	+ 0.7	+ 3.2	+ 5.2	+ 6.2	+ 5.6	+ 4.4	+ 3.5	+ 2.9	+ 1.5	+ 1.4	+ 0.7	0.0	- 2.0	- 3.4	- 3.2	- 0.4	- 1.5	- 2.1	- 3.2	- 4.1	2.9
MEANS	I	- 5.6	- 5.4	- 3.3	- 0.4	+ 2.1	+ 4.1	+ 5.4	+ 5.4	+ 4.8	+ 3.9	+ 3.0	+ 2.0	+ 1.3	+ 0.8	+ 0.1	- 0.6	- 1.4	- 1.9	- 2.3	- 1.0	- 1.2	- 1.9	- 3.3	- 4.7	2.8
	II	- 3.5	- 4.7	- 4.9	- 3.2	- 0.2	+ 2.6	+ 4.4	+ 5.0	+ 4.7	+ 3.1	+ 1.6	+ 1.1	- 0.5	- 1.0	- 1.4	- 0.9	- 0.7	- 0.6	- 0.3	+ 0.1	0.0	- 0.1	+ 1.0	+ 1.6	2.0
	III	- 0.5	- 1.6	- 2.0	- 1.6	0.0	+ 1.4	+ 2.7	+ 3.4	+ 3.2	+ 2.4	+ 1.4	+ 0.2	- 0.6	- 1.6	- 1.9	- 2.2	- 1.9	- 1.5	- 1.3	- 0.7	+ 0.4	+ 0.6	+ 0.8	+ 0.8	1.5
	YEAR	- 3.2	- 3.9	- 3.4	- 1.7	+ 0.6	+ 2.7	+ 4.2	+ 4.6	+ 4.2	+ 3.1	+ 2.0	+ 1.1	+ 0.1	- 0.6	- 1.1	- 1.3	- 1.3	- 1.3	- 1.3	- 0.6	- 0.2	- 0.4	- 0.5	- 1.8	1.9

TABLE 362

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.21	-0.08	-0.04	+0.03	+0.01	-0.01	-0.04	-0.18	-0.54	-0.59	-0.26	+0.19	+0.51	+0.64	+0.52	+0.37	+0.39	+0.18	-0.12	-0.06	-0.09	-0.14	-0.21	-0.18	0.23
FEB	I	-0.15	-0.01	+0.11	+0.38	+0.38	+0.26	+0.17	-0.20	-0.95	-1.36	-0.99	-0.28	+0.62	+1.15	+1.10	+0.77	+0.41	-0.02	-0.21	-0.07	-0.24	-0.35	-0.24	-0.22	0.44
MAR	II	-0.10	+0.06	+0.17	+0.30	+0.29	+0.26	+0.17	-0.16	-0.49	-0.53	-0.05	+0.47	+0.80	+0.85	+0.69	+0.43	+0.22	-0.14	-0.42	-0.58	-0.69	-0.50	-0.54	-0.38	0.39
APR	II	+0.06	+0.36	+0.61	+0.59	+0.74	+0.67	+0.38	-0.01	-0.26	-0.59	-0.56	-0.20	+0.15	+0.24	0.00	-0.34	-0.43	-0.33	-0.23	-0.26	-0.16	-0.18	-0.13	-0.05	0.31
MAY	III	+0.07	+0.26	+0.38	+0.48	+0.69	+0.76	+0.71	+0.70	+0.43	+0.17	-0.01	-0.28	-0.32	-0.43	-0.64	-0.56	-0.49	-0.36	-0.36	-0.32	-0.27	-0.28	-0.16	-0.07	0.39
JUN	III	-0.22	-0.02	+0.16	+0.28	+0.41	+0.46	+0.52	+0.67	+0.70	+0.51	+0.29	+0.12	-0.11	-0.34	-0.46	-0.38	-0.33	-0.24	-0.23	-0.28	-0.48	-0.46	-0.39	-0.24	0.35
JUL	III	-0.32	-0.15	+0.01	+0.13	+0.21	+0.37	+0.59	+0.91	+0.89	+0.76	+0.62	+0.40	+0.12	-0.15	-0.31	-0.46	-0.50	-0.34	-0.36	-0.35	-0.49	-0.54	-0.57	-0.45	0.42
AUG	III	-0.22	-0.05	+0.10	+0.26	+0.38	+0.49	+0.71	+0.89	+0.84	+0.65	+0.53	+0.45	+0.17	-0.17	-0.34	-0.32	-0.52	-0.80	-0.72	-0.66	-0.56	-0.46	-0.42	-0.32	0.46
SEP	II	-0.19	-0.03	+0.13	+0.26	+0.32	+0.31	+0.34	+0.29	+0.06	-0.12	0.00	+0.25	+0.27	+0.27	+0.02	-0.21	-0.30	-0.28	-0.23	-0.26	-0.28	-0.23	-0.24	-0.21	0.21
OCT	II	-0.11	+0.11	+0.32	+0.40	+0.39	+0.31	+0.26	+0.15	-0.15	-0.13	-0.03	+0.13	+0.37	+0.54	+0.49	+0.26	-0.16	-0.32	-0.40	-0.46	-0.42	-0.62	-0.53	-0.46	0.31
NOV	I	-0.35	-0.11	+0.09	+0.13	+0.03	+0.02	+0.09	+0.09	+0.06	+0.27	+0.49	+0.83	+0.98	+0.98	+0.68	+0.16	-0.24	-0.46	-0.60	-0.61	-0.57	-0.62	-0.57	-0.65	0.41
DEC	I	-0.44	-0.25	-0.21	+0.06	0.00	+0.04	-0.01	-0.07	-0.01	+0.17	+0.28	+0.32	+0.50	+0.64	+0.55	+0.63	+0.42	+0.13	-0.16	-0.34	-0.54	-0.53	-0.50	-0.56	0.31
MEANS	I	-0.29	-0.11	-0.01	+0.15	+0.10	+0.08	+0.05	-0.09	-0.36	-0.38	-0.12	+0.26	+0.65	+0.85	+0.71	+0.48	+0.24	-0.04	-0.27	-0.27	-0.38	-0.41	-0.40	-0.40	0.30
	II	-0.08	+0.11	+0.31	+0.39	+0.44	+0.39	+0.29	+0.08	-0.22	-0.34	-0.16	+0.16	+0.40	+0.48	+0.30	+0.04	-0.17	-0.27	-0.32	-0.39	-0.39	-0.41	-0.36	-0.28	0.28
	III	-0.17	+0.01	+0.16	+0.29	+0.42	+0.52	+0.63	+0.79	+0.72	+0.52	+0.36	+0.17	-0.04	-0.27	-0.44	-0.46	-0.46	-0.44	-0.42	-0.40	-0.45	-0.44	-0.38	-0.27	0.38
	YEAR	-0.18	0.00	+0.15	+0.28	+0.32	+0.33	+0.32	+0.26	+0.05	-0.07	+0.03	+0.20	+0.34	+0.35	+0.19	+0.02	-0.13	-0.25	-0.34	-0.35	-0.41	-0.42	-0.38	-0.32	0.24

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.15	-0.03	+0.04	+0.01	-0.09	-0.06	-0.05	-0.30	-0.58	-0.59	-0.21	+0.21	+0.45	+0.53	+0.38	+0.29	+0.27	+0.12	-0.05	-0.03	+0.03	-0.01	-0.05	-0.09	0.19
FEB	I	+0.07	+0.02	+0.17	+0.28	+0.32	+0.24	+0.08	-0.42	-1.18	-1.65	-1.35	-0.59	+0.46	+1.12	+1.16	+0.74	+0.41	-0.13	-0.07	+0.18	+0.16	+0.01	-0.08	+0.03	0.46
MAR	II	-0.39	-0.21	-0.05	+0.11	+0.04	+0.07	-0.07	-0.48	-0.96	-0.92	-0.29	+0.16	+0.44	+0.46	+0.40	+0.33	+0.22	+0.06	+0.06	+0.21	+0.28	+0.24	+0.17	+0.17	0.28
APR	II	-0.41	-0.33	-0.06	-0.02	+0.24	+0.22	+0.08	-0.07	-0.36	-0.39	-0.08	+0.36	+0.62	+0.46	+0.18	-0.08	-0.13	-0.07	-0.04	+0.01	-0.07	-0.06	-0.03	+0.02	0.18
MAY	III	-0.28	-0.04	+0.01	0.00	+0.04	+0.16	+0.28	+0.39	+0.33	+0.18	+0.01	-0.13	-0.16	-0.35	-0.56	-0.55	-0.28	-0.02	+0.16	+0.20	+0.15	+0.11	+0.18	+0.23	0.20
JUN	III	-0.48	-0.24	-0.08	+0.03	+0.07	+0.13	+0.24	+0.49	+0.59	+0.49	+0.19	-0.02	-0.09	-0.41	-0.52	-0.40	-0.25	-0.06	+0.06	+0.08	+0.04	+0.03	+0.04	+0.07	0.21
JUL	III	-0.38	-0.27	-0.21	-0.13	+0.02	+0.14	+0.31	+0.49	+0.52	+0.45	+0.32	+0.23	+0.04	-0.30	-0.33	-0.49	-0.43	-0.14	0.00	+0.06	+0.05	+0.04	+0.02	+0.01	0.22
AUG	III	-0.33	-0.24	-0.09	-0.04	+0.14	+0.27	+0.48	+0.70	+0.57	+0.27	-0.07	-0.20	-0.37	-0.46	-0.39	-0.33	-0.26	-0.11	+0.05	+0.10	+0.08	+0.07	+0.08	+0.10	0.24
SEP	II	-0.10	+0.06	+0.13	+0.35	+0.35	+0.33	+0.31	+0.22	0.00	-0.18	-0.18	-0.04	-0.06	+0.18	+0.14	-0.03	-0.17	-0.18	-0.19	-0.17	-0.23	-0.19	-0.12	-0.16	0.17
OCT	II	-0.32	-0.24	-0.04	+0.09	+0.11	+0.18	+0.05	-0.08	-0.27	-0.24	-0.10	+0.24	+0.56	+0.66	+0.69	+0.42	+0.05	-0.15	-0.26	-0.33	-0.29	-0.31	-0.28	-0.13	0.25
NOV	I	-0.52	-0.34	-0.12	-0.13	-0.10	-0.23	-0.23	-0.17	+0.05	+0.28	+0.64	+0.87	+0.97	+0.83	+0.63	+0.16	-0.14	-0.30	-0.37	-0.34	-0.36	-0.37	-0.28	-0.31	0.36
DEC	I	-0.51	-0.35	-0.33	-0.29	-0.28	-0.28	-0.36	-0.38	-0.17	+0.16	+0.55	+0.58	+0.67	+0.63	+0.42	+0.43	+0.24	+0.10	-0.08	-0.09	-0.18	-0.16	-0.16	-0.13	0.31
MEANS	I	-0.28	-0.18	-0.06	-0.03	-0.04	-0.08	-0.14	-0.32	-0.47	-0.45	-0.09	+0.27	+0.64	+0.78	+0.62	+0.40	+0.20	-0.05	-0.14	-0.07	-0.09	-0.13	-0.14	-0.12	0.24
	II	-0.30	-0.16	0.00	+0.13	+0.16	+0.20	+0.09	-0.10	-0.40	-0.43	-0.16	+0.18	+0.39	+0.44	+0.35	+0.16	-0.01	-0.08	-0.11	-0.07	-0.08	-0.08	-0.06	-0.02	0.18
	III	-0.37	-0.20	-0.09	-0.04	+0.07	+0.18	+0.33	+0.52	+0.50	+0.35	+0.11	-0.03	-0.14	-0.38	-0.45	-0.44	-0.30	-0.08	+0.07	+0.11	+0.08	+0.07	+0.08	+0.10	0.21
	YEAR	-0.32	-0.18	-0.05	+0.02	+0.07	+0.10	+0.09	+0.03	-0.12	-0.18	-0.05	+0.14	+0.29	+0.28	+0.18	+0.04	-0.04	-0.07	-0.06	-0.01	-0.03	-0.05	-0.04	-0.02	0.10

TABLE 362--CONCLUDED

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	-0.83	-0.82	-0.42	0.00	+0.19	+0.19	+0.20	+0.27	+0.36	+0.29	+0.04	+0.07	+0.10	+0.06	0.00	-0.07	-0.01	0.00	+0.07	+0.08	+0.09	+0.14	+0.17	-0.19	0.20
FEB	I	-1.19	-1.57	-1.49	-0.98	+0.13	+1.02	+1.12	+0.75	+0.43	-0.15	-0.09	+0.18	+0.03	-0.19	-0.11	-0.02	+0.06	+0.23	+0.33	+0.37	+0.39	+0.42	+0.32	0.00	0.48
MAR	II	-1.18	-1.23	-0.79	-0.07	+0.47	+0.55	+0.40	+0.25	+0.14	+0.08	+0.11	+0.11	+0.09	+0.10	+0.06	+0.05	+0.04	+0.10	+0.14	+0.17	+0.21	+0.21	+0.14	-0.19	0.29
APR	II	-0.22	-0.39	-0.13	+0.34	+0.58	+0.48	+0.22	0.00	-0.14	-0.19	-0.19	-0.25	-0.20	-0.14	-0.14	-0.12	-0.08	-0.03	0.00	+0.16	+0.21	+0.25	+0.12	-0.06	0.19
MAY	III	+0.12	+0.04	-0.09	-0.10	-0.19	-0.45	-0.76	-0.63	-0.28	-0.07	+0.05	+0.08	+0.02	+0.06	+0.12	+0.21	+0.10	+0.10	+0.11	+0.20	+0.19	+0.27	+0.41	+0.50	0.21
JUN	III	+0.48	+0.35	+0.10	+0.03	0.00	-0.15	-0.27	-0.39	-0.40	-0.39	-0.29	-0.32	-0.31	-0.14	-0.19	-0.15	+0.01	+0.10	+0.19	+0.20	+0.23	+0.27	+0.43	+0.63	0.25
JUL	III	+0.50	+0.30	+0.07	-0.02	-0.24	-0.50	-0.42	-0.63	-0.67	-0.38	-0.18	-0.07	-0.06	-0.07	-0.07	-0.08	-0.08	+0.06	+0.19	+0.21	+0.26	+0.43	+0.55	+0.86	0.29
AUG	III	+0.27	-0.07	-0.36	-0.49	-0.63	-0.70	-0.61	-0.53	-0.47	-0.29	-0.14	-0.02	-0.02	-0.03	-0.04	-0.02	+0.05	+0.17	+0.32	+0.42	+0.54	+0.68	+0.90	+1.06	0.37
SEP	II	-0.50	-0.60	-0.41	+0.01	+0.23	+0.38	+0.28	+0.02	-0.13	-0.15	-0.13	-0.12	-0.18	-0.12	-0.02	-0.14	-0.10	-0.03	+0.11	+0.31	+0.33	+0.39	+0.35	+0.22	0.22
OCT	II	-0.41	-0.44	-0.34	-0.12	+0.18	+0.27	+0.35	+0.16	-0.07	-0.25	-0.37	-0.39	-0.23	-0.11	-0.08	-0.03	+0.01	+0.09	+0.28	+0.34	+0.34	+0.36	+0.35	+0.20	0.24
NOV	I	-0.35	-0.21	+0.27	+0.95	+1.36	+1.30	+0.99	+0.55	+0.16	-0.17	-0.33	-0.37	-0.43	-0.55	-0.55	-0.51	-0.49	-0.42	-0.24	-0.18	-0.18	-0.18	-0.13	-0.23	0.46
DEC	I	-0.48	-0.14	+0.24	+0.43	+0.53	+0.42	+0.16	+0.25	+0.08	-0.21	-0.31	-0.13	-0.14	-0.14	-0.14	-0.15	-0.14	-0.05	-0.04	-0.03	-0.01	+0.06	+0.02	-0.11	0.18
MEANS	I	-0.71	-0.68	-0.35	+0.10	+0.55	+0.73	+0.62	+0.46	+0.26	-0.06	-0.17	-0.06	-0.11	-0.20	-0.20	-0.19	-0.14	-0.06	+0.03	+0.06	+0.07	+0.11	+0.10	-0.13	0.26
	II	-0.58	-0.66	-0.42	+0.04	+0.36	+0.42	+0.31	+0.11	-0.05	-0.13	-0.14	-0.16	-0.13	-0.07	-0.04	-0.06	-0.03	+0.03	+0.13	+0.24	+0.27	+0.30	+0.24	+0.04	0.21
	III	+0.34	+0.16	-0.07	-0.14	-0.26	-0.45	-0.52	-0.54	-0.46	-0.28	-0.14	-0.08	-0.09	-0.04	-0.04	-0.01	+0.02	+0.11	+0.20	+0.26	+0.30	+0.41	+0.57	+0.76	0.26
	YEAR	-0.32	-0.40	-0.28	0.00	+0.22	+0.23	+0.14	+0.01	-0.08	-0.16	-0.15	-0.10	-0.11	-0.11	-0.10	-0.09	-0.05	+0.03	+0.12	+0.19	+0.22	+0.28	+0.30	+0.22	0.16

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	-0.33	-0.29	+0.41	+1.09	+1.39	+1.51	+1.32	+0.87	+0.99	+0.59	-0.42	-0.33	-0.54	-0.39	-0.49	-0.27	-0.91	-0.92	-0.96	-0.46	-0.30	-0.51	-0.48	-0.63	0.68
FEB	I	-0.05	-0.72	+0.08	+0.84	+1.70	+1.37	+1.08	+0.36	+0.07	-0.11	-0.15	+0.07	-0.22	-0.43	-0.23	-0.62	-0.60	-0.39	-0.54	+0.06	-0.12	-0.48	-0.38	-0.62	0.47
MAR	II	+1.33	+1.31	+1.65	+2.04	+2.02	+1.88	+1.32	+0.82	+1.02	+0.03	-1.24	-2.53	-2.99	-2.61	-2.34	-1.60	-0.73	-0.28	+0.07	+0.70	+0.40	+0.19	+0.02	-0.50	1.23
APR	II	-0.09	-0.90	-1.46	-1.40	-1.13	-0.80	-0.82	-1.34	-1.00	-0.61	-0.34	-0.79	-0.08	+0.07	-0.04	+0.80	+0.81	+1.60	+2.08	+1.96	+2.17	+1.44	+0.67	-0.82	0.97
MAY	III	+0.64	+0.42	+0.39	+0.03	-0.21	-0.54	-0.82	-0.97	-0.73	-1.03	-1.26	-1.20	-0.90	-0.79	-0.55	-0.61	-0.03	+0.52	+0.73	+0.91	+1.82	+1.94	+1.30	+0.85	0.80
JUN	III	+1.53	+1.34	+1.22	+1.10	+0.72	+0.24	-0.07	-0.01	-0.08	-0.09	-0.47	-0.86	-1.78	-1.61	-1.16	-0.77	-0.80	-0.52	-0.08	+0.02	+0.62	+0.65	+0.57	+0.32	0.69
JUL	III	+1.77	+1.66	+1.80	+1.30	+0.73	+0.22	+0.05	-0.32	-0.64	-0.74	-1.18	-1.15	-1.58	-1.37	-1.24	-0.93	-0.73	-0.44	-0.06	+0.22	+0.30	+0.56	+0.61	+1.01	0.87
AUG	III	+2.45	+2.16	+2.50	+2.49	+1.67	+0.56	-0.04	+0.02	-1.18	-3.11	-3.14	-2.85	-2.01	-1.51	-1.41	-0.90	-0.60	-0.13	+0.19	+0.70	+0.90	+0.92	+1.11	+1.18	1.41
SEP	II	+0.38	-0.09	+0.11	+0.35	+0.24	+0.14	-0.23	-0.10	-0.20	-0.31	-0.18	-0.15	-0.04	-0.05	+0.12	+0.12	+0.04	+0.22	+0.20	+0.01	+0.11	-0.06	-0.13	-0.44	0.17
OCT	II	+0.51	+0.28	+0.07	-0.08	-0.17	-0.08	-0.65	-1.01	-0.51	-0.19	+0.20	-0.19	-0.20	-0.46	-0.48	-0.94	+0.11	+0.23	+0.61	+0.58	+0.59	+0.53	+0.60	+0.75	0.42
NOV	I	+0.43	+0.79	+1.12	+1.55	+1.70	+1.74	+1.18	+0.51	-0.16	-0.63	-0.63	-1.02	-1.42	-1.00	-0.94	-1.19	-0.60	+0.05	-0.17	-0.46	-0.50	-0.06	-0.11	-0.13	0.75
DEC	I	+0.06	+0.14	+0.07	+0.02	+0.25	+0.85	+1.25	+1.67	+1.30	+0.92	+0.12	-0.46	-0.86	-1.09	-1.06	-1.16	-0.92	-0.72	-0.97	+0.70	+0.12	+0.03	-0.13	-0.21	0.63
MEANS	I	+0.03	-0.02	+0.42	+0.88	+1.26	+1.37	+1.21	+0.85	+0.55	+0.19	-0.27	-0.44	-0.76	-0.73	-0.68	-0.81	-0.76	-0.50	-0.66	-0.04	-0.20	-0.26	-0.28	-0.40	0.57
	II	+0.53	+0.15	+0.09	+0.23	+0.24	+0.28	-0.10	-0.41	-0.17	-0.27	-0.39	-0.92	-0.83	-0.76	-0.68	-0.40	+0.06	+0.44	+0.74	+0.81	+0.82	+0.52	+0.29	+0.25	0.43
	III	+1.60	+1.40	+1.48	+1.23	+0.73	+0.12	-0.22	-0.32	-0.66	-1.24	-1.51	-1.52	-1.57	-1.32	-1.09	-0.80	-0.54	-0.14	+0.20	+0.46	+0.91	+1.02	+0.95	+0.84	0.91
	YEAR	+0.72	+0.51	+0.66	+0.78	+0.74	+0.59	+0.30	+0.04	-0.09	-0.44	-0.72	-0.96	-1.05	-0.94	-0.82	-0.67	-0.41	-0.06	+0.09	+0.41	+0.51	+0.43	+0.32	+0.06	0.51

TABLE 363

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN-AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	+ 2	+ 2	+ 3	+ 4	+ 6	+ 9	+ 8	+ 1	- 8	-15	-16	-13	- 9	- 4	0	+ 6	+ 7	+ 3	+ 4	+ 3	+ 3	+ 2	+ 2	5.5
FEB	I	+ 3	+ 5	+ 5	+ 8	+ 8	+ 8	+10	+10	- 1	-14	-18	-19	-14	- 8	- 3	0	+ 3	+ 2	+ 1	+ 4	+ 2	+ 2	+ 4	+ 3	6.5
MAR	II	+ 3	+ 4	+ 6	+ 8	+ 8	+ 8	+ 9	+ 8	+ 3	- 2	- 4	- 7	- 8	- 8	- 6	- 4	0	0	- 2	- 4	- 4	- 3	- 2	- 1	4.7
APR	II	+ 4	+ 8	+12	+11	+14	+12	+ 7	+ 5	+ 2	- 5	-10	-11	-11	-11	-12	-13	- 9	- 4	0	+ 1	+ 3	+ 2	+ 3	+ 4	7.3
MAY	III	+ 3	+ 6	+ 7	+ 8	+11	+12	+12	+13	+11	+ 7	0	- 9	-14	-17	-20	-17	-10	- 4	- 3	- 2	0	0	+ 1	+ 2	7.9
JUN	III	- 1	+ 1	+ 3	+ 5	+ 7	+ 8	+ 9	+11	+14	+12	+ 7	0	- 8	-14	-17	-13	- 7	- 3	- 1	- 2	- 4	- 3	- 3	- 1	6.5
JUL	III	- 3	- 1	+ 1	+ 2	+ 3	+ 6	+10	+15	+17	+17	+13	+ 5	- 4	-11	-15	-16	-11	- 5	- 4	- 3	- 4	- 4	- 5	- 4	7.5
AUG	III	0	+ 2	+ 3	+ 5	+ 7	+ 9	+13	+17	+21	+20	+16	+ 7	- 7	-18	-22	-19	-15	-13	- 9	- 7	- 4	- 3	- 2	- 1	10.1
SEP	II	+ 1	+ 2	+ 4	+ 5	+ 6	+ 6	+ 8	+11	+11	+ 7	+ 4	0	- 8	-12	-16	-14	-10	- 5	- 2	- 2	0	+ 1	+ 1	+ 1	5.7
OCT	II	+ 2	+ 4	+ 7	+ 7	+ 7	+ 8	+ 9	+11	+ 7	+ 4	- 1	- 8	-12	-12	-10	- 7	- 5	- 2	- 1	- 1	0	- 3	- 2	- 2	5.5
NOV	I	- 3	0	+ 3	+ 3	+ 2	+ 4	+ 7	+ 9	+ 8	+ 8	+ 5	+ 3	+ 1	0	- 2	- 5	- 5	- 6	- 6	- 6	- 5	- 4	- 4	- 6	4.4
DEC	I	- 3	- 1	- 2	+ 1	+ 1	+ 3	+ 4	+ 4	+ 5	+ 5	+ 2	- 2	- 2	- 2	- 2	+ 3	+ 4	+ 2	0	- 2	- 4	- 4	- 5	- 4	2.8
MEANS	I	- 0.4	+ 1.4	+ 2.2	+ 3.9	+ 3.6	+ 5.1	+ 7.7	+ 7.7	+ 3.3	- 1.9	- 6.6	- 8.8	- 7.1	- 4.8	- 3.0	- 0.3	+ 2.0	+ 1.5	- 0.6	- 0.1	- 0.9	- 0.9	- 0.7	- 1.4	3.2
	II	+ 2.5	+ 4.6	+ 7.0	+ 7.7	+ 8.7	+ 8.6	+ 8.4	+ 8.8	+ 5.6	+ 1.0	- 2.9	- 6.4	- 9.9	-10.8	-11.1	- 9.6	- 6.0	- 2.6	- 1.3	- 1.7	- 0.5	- 0.6	0.0	+ 0.7	5.3
	III	- 0.3	+ 1.8	+ 3.7	+ 5.2	+ 7.1	+ 8.8	+10.7	+14.1	+15.9	+14.0	+ 9.1	+ 0.9	- 8.0	-15.1	-18.4	-16.2	-10.8	- 6.4	- 4.4	- 3.2	- 3.2	- 2.6	- 2.1	- 0.8	7.6
	YEAR	+ 0.6	+ 2.6	+ 4.3	+ 5.6	+ 6.5	+ 7.5	+ 8.9	+10.2	+ 8.3	+ 4.4	- 0.1	- 4.8	- 8.3	-10.2	-10.8	- 8.7	- 5.0	- 2.5	- 2.1	- 1.7	- 1.5	- 1.4	- 0.9	- 0.5	4.9

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	+ 2	+ 4	+ 3	+ 2	+ 5	+ 8	+ 6	0	- 6	-11	-13	-13	-10	- 6	- 1	+ 4	+ 5	+ 3	+ 3	+ 4	+ 4	+ 4	+ 3	5.1
FEB	I	+ 6	+ 4	+ 6	+ 7	+ 8	+10	+12	+ 9	- 1	-15	-24	-26	-22	-14	- 5	- 1	+ 4	+ 2	+ 4	+ 8	+ 9	+ 7	+ 5	+ 6	9.0
MAR	II	- 2	0	+ 2	+ 4	+ 4	+ 5	+ 6	+ 3	- 4	- 9	- 9	-11	-12	-12	- 9	- 4	+ 1	+ 3	+ 5	+ 7	+ 8	+ 8	+ 7	+ 8	5.9
APR	II	- 3	- 3	+ 1	+ 1	+ 5	+ 6	+ 5	+ 6	+ 2	- 2	- 2	- 1	- 2	- 6	- 8	- 9	- 5	- 1	+ 1	+ 3	+ 3	+ 3	+ 4	+ 4	3.6
MAY	III	- 3	0	+ 1	+ 1	+ 2	+ 4	+ 7	+10	+10	+ 7	+ 1	- 7	-11	-16	-19	-16	- 7	+ 1	+ 5	+ 6	+ 6	+ 5	+ 6	+ 7	6.6
JUN	III	- 6	- 3	0	+ 1	+ 2	+ 3	+ 5	+10	+13	+12	+ 6	- 1	- 7	-15	-18	-14	- 6	0	+ 3	+ 4	+ 3	+ 4	+ 3	+ 3	5.9
JUL	III	- 4	- 3	- 2	- 2	+ 1	+ 3	+ 6	+ 9	+12	+12	+ 9	+ 3	- 4	-13	-16	-16	-10	- 2	+ 1	+ 3	+ 3	+ 4	+ 3	+ 3	6.1
AUG	III	- 2	- 1	+ 1	+ 1	+ 4	+ 6	+ 9	+15	+18	+16	+ 8	- 2	-16	-24	-24	-20	-11	- 3	+ 2	+ 4	+ 4	+ 5	+ 5	+ 6	8.6
SEP	II	+ 2	+ 4	+ 4	+ 7	+ 6	+ 6	+ 7	+10	+10	+ 6	+ 1	- 5	-13	-13	-14	-12	- 8	- 2	- 1	0	0	+ 1	+ 3	+ 2	5.8
OCT	II	- 2	- 2	+ 1	+ 2	+ 3	+ 6	+ 8	+ 9	+ 7	+ 4	- 2	- 6	- 8	- 9	- 6	- 4	- 2	0	0	- 1	0	0	0	+ 2	3.5
NOV	I	- 6	- 4	0	- 1	0	0	+ 2	+ 5	+ 7	+ 8	+ 8	+ 5	+ 2	- 2	- 3	- 3	- 3	- 3	- 3	- 2	- 2	- 2	0	- 2	3.1
DEC	I	- 6	- 4	- 4	- 3	- 2	0	+ 1	+ 1	+ 2	+ 5	+ 5	+ 1	0	0	- 3	+ 1	+ 1	+ 2	0	0	0	+ 1	+ 1	+ 1	1.8
MEANS	I	- 1.2	- 0.2	+ 1.3	+ 1.6	+ 2.4	+ 3.8	+ 5.8	+ 5.2	+ 2.0	- 2.2	- 5.5	- 8.4	- 8.1	- 6.4	- 4.4	- 1.2	+ 1.5	+ 1.4	+ 1.1	+ 2.4	+ 2.6	+ 2.3	+ 2.3	+ 2.0	3.1
	II	- 1.3	- 0.1	+ 1.8	+ 3.6	+ 4.7	+ 5.6	+ 6.3	+ 6.9	+ 3.6	- 0.1	- 3.0	- 5.8	- 8.8	-10.1	- 9.4	- 7.0	- 3.3	0.0	+ 1.2	+ 2.4	+ 2.9	+ 3.1	+ 3.4	+ 3.8	4.1
	III	- 3.6	- 1.7	- 0.3	+ 0.5	+ 2.4	+ 4.2	+ 6.7	+11.0	+13.4	+12.0	+ 6.0	- 1.8	- 9.8	-17.1	-19.1	-16.3	- 8.6	- 1.1	+ 2.6	+ 4.0	+ 4.2	+ 4.3	+ 4.4	+ 4.4	6.6
	YEAR	- 2.0	- 0.7	+ 0.9	+ 1.9	+ 3.1	+ 4.5	+ 6.3	+ 7.7	+ 6.4	+ 3.3	- 0.8	- 5.3	- 8.9	-11.2	-11.0	- 8.2	- 3.5	+ 0.1	+ 1.6	+ 3.0	+ 3.2	+ 3.2	+ 3.4	+ 3.4	4.3

TABLE 363--CONCLUDED

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 3	-10	-15	-16	-16	-14	- 9	- 2	+ 5	+ 7	+ 4	+ 4	+ 5	+ 5	+ 4	+ 3	+ 3	+ 2	+ 3	+ 3	+ 4	+ 8	+13	+10	7.1
FEB	I	0	-13	-23	-31	-31	-21	-11	- 4	+ 2	+ 2	+ 5	+ 9	+ 7	+ 4	+ 6	+ 6	+ 7	+ 9	+10	+10	+11	+13	+16	+17	11.2
MAR	II	- 6	-11	-16	-16	-14	-12	-11	- 7	- 2	+ 3	+ 6	+ 6	+ 6	+ 6	+ 6	+ 5	+ 5	+ 6	+ 6	+ 6	+ 7	+ 8	+10	+ 8	7.9
APR	II	+ 5	- 1	- 4	- 4	- 5	- 6	- 7	- 6	- 4	- 2	- 1	0	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 4	+ 5	+ 7	+ 7	+ 7	3.6
MAY	III	+ 7	+ 4	- 3	- 9	-14	-19	-24	-17	- 6	+ 1	+ 4	+ 4	+ 4	+ 4	+ 5	+ 6	+ 4	+ 4	+ 4	+ 6	+ 6	+ 7	+10	+12	7.6
JUN	III	+10	+10	+ 5	- 2	- 7	-12	-14	-13	- 8	- 5	- 2	- 2	- 1	+ 1	0	0	+ 2	+ 3	+ 4	+ 4	+ 5	+ 5	+ 8	+11	5.6
JUL	III	+13	+12	+ 6	0	- 8	-16	-18	-19	-14	- 6	- 2	+ 1	+ 2	+ 2	+ 2	+ 1	0	+ 2	+ 3	+ 4	+ 4	+ 7	+ 9	+15	6.9
AUG	III	+14	+10	+ 2	- 9	-22	-29	-27	-23	-14	- 5	- 1	+ 2	+ 3	+ 4	+ 4	+ 4	+ 4	+ 6	+ 7	+ 9	+11	+14	+17	+22	10.8
SEP	II	+ 2	- 1	- 6	- 8	-11	-10	-10	- 9	- 6	- 3	- 1	0	0	+ 1	+ 3	+ 1	+ 3	+ 5	+ 5	+ 7	+ 8	+ 8	+10	+12	5.4
OCT	II	+ 5	+ 1	- 5	-11	-13	-14	-10	- 6	- 3	- 1	- 3	- 3	- 1	+ 1	+ 2	+ 2	+ 2	+ 3	+ 5	+ 6	+ 8	+ 9	+13	+15	5.9
NOV	I	+ 5	+ 4	+ 2	+ 1	+ 1	- 1	- 2	0	+ 1	0	- 1	- 2	- 2	- 4	- 4	- 4	- 4	- 4	- 2	0	0	+ 3	+ 7	+ 8	2.6
DEC	I	- 3	0	0	- 2	- 2	- 5	- 8	- 4	- 2	- 3	- 4	- 1	0	0	+ 1	+ 1	+ 1	+ 2	+ 2	+ 2	+ 3	+ 6	+ 8	+ 6	2.8
MEANS	I	- 0.3	- 4.8	- 9.0	-12.0	-11.8	-10.4	- 7.6	- 2.5	+ 1.6	+ 1.3	+ 1.0	+ 2.8	+ 2.6	+ 1.5	+ 1.7	+ 1.6	+ 1.6	+ 2.2	+ 3.2	+ 3.7	+ 4.7	+ 7.6	+11.0	+10.3	4.9
	II	+ 1.4	- 3.3	- 7.9	- 9.9	-10.8	-10.7	- 9.4	- 7.0	- 3.8	- 0.9	+ 0.4	+ 0.6	+ 1.4	+ 2.4	+ 2.9	+ 2.5	+ 2.6	+ 3.7	+ 4.5	+ 5.9	+ 7.0	+ 8.2	+ 9.7	+10.6	5.3
	III	+10.7	+ 8.8	+ 2.5	- 4.7	-12.8	-19.1	-20.7	-18.1	-10.7	- 3.9	- 0.2	+ 1.3	+ 2.0	+ 2.8	+ 2.6	+ 2.8	+ 2.5	+ 3.4	+ 4.6	+ 5.5	+ 6.4	+ 8.3	+10.9	+15.1	7.5
	YEAR	+ 4.0	+ 0.2	- 4.8	- 8.9	-11.8	-13.4	-12.6	- 9.2	- 4.3	- 1.2	+ 0.4	+ 1.6	+ 2.0	+ 2.2	+ 2.4	+ 2.3	+ 2.2	+ 3.1	+ 4.1	+ 5.0	+ 6.0	+ 8.0	+10.5	+12.0	5.5

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	- 6	-10	- 8	- 2	+ 5	+10	+12	+20	+16	0	+ 1	- 4	- 1	- 3	+ 2	- 8	-10	-11	- 5	- 1	- 3	+ 2	- 1	5.9
FEB	I	+13	- 5	- 2	0	+ 8	0	- 1	- 5	- 4	- 2	+ 1	+ 6	+ 3	0	+ 4	- 3	- 2	+ 1	- 3	+ 2	- 2	- 4	- 1	- 1	3.0
MAR	II	+31	+28	+25	+20	+10	+ 5	0	0	+10	+ 3	-14	-34	-34	-29	-25	-19	- 7	- 1	+ 4	+13	+ 8	+ 4	+ 3	- 1	13.6
APR	II	+ 2	-10	-23	-30	-33	-28	-25	-31	-17	- 6	+ 3	- 4	+ 8	+ 8	+ 5	+16	+16	+26	+33	+33	+38	+25	+ 4	-10	18.2
MAY	III	+11	+ 8	+ 4	- 5	-10	-15	-19	-19	-13	-13	-16	-14	- 8	- 6	- 4	- 5	+ 1	+ 9	+14	+16	+26	+27	+18	+12	12.2
JUN	III	+27	+26	+21	+15	+ 4	- 7	-11	- 6	- 2	0	- 5	-11	-22	-19	-13	- 7	- 9	- 6	0	0	+ 8	+ 8	+ 6	+ 3	9.8
JUL	III	+32	+31	+31	+17	+ 3	- 8	-12	-14	-12	-12	-16	-12	-19	-14	-14	-10	- 8	- 5	0	+ 4	+ 4	+ 7	+12	+16	13.0
AUG	III	+45	+40	+42	+35	+14	- 6	-15	-13	-25	-48	-43	-34	-22	-17	-15	- 9	- 6	- 2	+ 2	+ 9	+14	+16	+19	+20	21.4
SEP	II	+16	+ 7	+ 8	+ 4	- 5	-11	-17	-11	- 9	- 6	- 2	0	+ 3	+ 4	+ 7	+ 7	+ 5	+ 6	+ 4	- 1	0	- 2	- 3	- 3	5.9
OCT	II	+16	+10	+ 1	-11	-20	-22	-30	-30	-14	- 2	+ 8	+ 5	+ 6	+ 3	+ 3	- 7	+ 5	+ 6	+11	+10	+10	+10	+13	+19	11.3
NOV	I	+ 9	+10	+10	+13	+14	+14	+ 7	+ 2	- 4	- 9	- 6	- 7	-13	- 7	- 6	-12	- 6	+ 2	0	- 6	- 8	- 1	0	0	7.0
DEC	I	+ 6	+ 4	- 4	-10	-10	- 3	+ 4	+15	+15	+14	+ 5	- 2	- 5	- 9	- 8	-11	- 5	- 2	-10	+ 8	+ 1	+ 2	+ 2	+ 2	6.6
MEANS	I	+ 7.5	+ 0.8	- 1.4	- 1.4	+ 2.3	+ 4.1	+ 5.2	+ 6.0	+ 6.7	+ 5.0	0.0	- 0.6	- 4.6	- 4.1	- 3.4	- 5.8	- 4.9	- 2.0	- 5.9	0.0	- 2.7	- 1.6	+ 0.7	0.0	3.2
	II	+16.3	+ 8.5	+ 2.6	- 4.3	-12.1	-14.0	-17.9	-17.8	- 7.6	- 2.7	- 1.2	- 8.3	- 4.2	- 3.4	- 2.5	- 0.6	+ 4.8	+ 9.1	+13.0	+13.5	+14.0	+ 9.3	+ 4.3	+ 1.4	8.1
	III	+28.8	+26.1	+24.6	+15.5	+ 2.8	- 8.8	-14.2	-13.0	-13.3	-18.3	-19.9	-17.8	-18.0	-13.9	-11.3	- 7.6	- 5.6	- 0.8	+ 4.1	+ 7.3	+12.6	+14.5	+13.5	+12.8	13.5
	YEAR	+17.5	+11.8	+ 8.6	+ 3.3	- 2.3	- 6.2	- 9.0	- 8.3	- 4.7	- 5.3	- 7.0	- 8.9	- 8.9	- 7.1	- 5.8	- 4.7	- 1.9	+ 2.1	+ 3.7	+ 6.9	+ 8.0	+ 7.4	+ 6.2	+ 4.7	6.7

TABLE 364

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	+ 2	+ 2	+ 3	+ 3	+ 5	+ 7	+ 6	- 2	-10	-17	-16	-12	- 7	- 2	+ 2	+ 8	+ 8	+ 3	+ 4	+ 4	+ 3	+ 2	+ 2	5.6
FEB	I	+ 3	+ 4	+ 5	+ 8	+ 8	+ 8	+10	+ 8	- 4	-17	-21	-21	-14	- 6	0	+ 3	+ 6	+ 4	+ 2	+ 4	+ 3	+ 2	+ 4	+ 3	7.0
MAR	II	+ 3	+ 4	+ 6	+ 8	+ 8	+ 8	+ 8	+ 7	0	- 5	- 7	- 8	- 8	- 6	- 4	- 1	+ 2	+ 1	- 1	- 4	- 4	- 3	- 2	- 1	4.6
APR	II	+ 4	+ 7	+12	+11	+14	+12	+ 8	+ 5	+ 1	- 7	-12	-13	-11	-10	-11	-12	- 8	- 3	0	+ 1	+ 3	+ 2	+ 3	+ 4	7.2
MAY	III	+ 3	+ 5	+ 7	+ 8	+11	+12	+12	+13	+10	+ 6	- 1	-10	-14	-16	-18	-16	- 9	- 4	- 3	- 1	0	0	+ 1	+ 2	7.6
JUN	III	- 2	+ 1	+ 3	+ 5	+ 7	+ 8	+ 9	+11	+14	+12	+ 6	- 1	- 8	-14	-16	-12	- 6	- 2	- 1	- 2	- 4	- 4	- 3	- 1	6.3
JUL	III	- 3	- 1	+ 1	+ 2	+ 3	+ 6	+10	+15	+17	+16	+12	+ 4	- 4	-11	-14	-14	-10	- 4	- 3	- 2	- 4	- 5	- 5	- 4	7.2
AUG	III	0	+ 1	+ 3	+ 5	+ 7	+ 9	+13	+17	+20	+18	+14	+ 6	- 8	-18	-21	-17	-13	-12	- 8	- 6	- 4	- 3	- 2	- 1	9.5
SEP	II	0	+ 2	+ 4	+ 5	+ 6	+ 7	+ 8	+10	+ 9	+ 5	+ 2	- 1	- 8	-12	-14	-13	- 9	- 4	- 1	- 1	0	+ 1	+ 1	+ 1	5.2
OCT	II	+ 2	+ 4	+ 6	+ 7	+ 7	+ 8	+ 9	+10	+ 5	+ 2	- 4	-10	-12	-11	- 8	- 5	- 3	- 1	0	- 1	0	- 3	- 2	- 2	5.0
NOV	I	- 3	0	+ 3	+ 3	+ 2	+ 4	+ 6	+ 8	+ 6	+ 6	+ 3	+ 2	+ 1	+ 1	0	- 3	- 4	- 5	- 5	- 5	- 5	- 4	- 4	- 6	3.7
DEC	I	- 4	- 2	- 2	+ 1	0	+ 3	+ 4	+ 3	+ 3	+ 3	0	- 3	- 2	- 1	0	+ 4	+ 5	+ 4	0	- 1	- 3	- 3	- 4	- 4	2.5
MEANS	I	- 0.6	+ 1.3	+ 2.0	+ 3.8	+ 3.4	+ 4.7	+ 6.7	+ 5.9	+ 0.8	- 4.6	- 8.6	- 9.5	- 6.6	- 3.2	- 0.8	+ 1.8	+ 3.7	+ 2.7	+ 0.2	+ 0.6	- 0.4	- 0.6	- 0.6	- 1.4	3.1
	II	+ 2.4	+ 4.5	+ 7.0	+ 7.7	+ 8.7	+ 8.5	+ 8.2	+ 7.9	+ 3.8	- 1.4	- 5.1	- 7.8	- 9.9	- 9.7	- 9.2	- 7.6	- 4.4	- 1.4	- 0.6	- 1.2	- 0.2	- 0.5	- 0.2	+ 0.6	4.9
	III	- 0.6	+ 1.6	+ 3.6	+ 5.2	+ 7.2	+ 8.9	+10.8	+14.2	+15.4	+13.0	+ 7.8	- 0.2	- 8.4	-14.7	-17.4	-14.8	- 9.6	- 5.6	- 3.9	- 2.9	- 3.2	- 2.8	- 2.4	- 1.2	7.3
	YEAR	+ 0.4	+ 2.5	+ 4.2	+ 5.6	+ 6.4	+ 7.4	+ 8.5	+ 9.3	+ 6.6	+ 2.3	- 2.0	- 5.9	- 8.3	- 9.2	- 9.1	- 6.8	- 3.4	- 1.4	- 1.4	- 1.2	- 1.2	- 1.3	- 1.1	- 0.7	4.4

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	+ 3	+ 4	+ 3	+ 2	+ 4	+ 7	+ 4	- 2	- 9	-13	-14	-12	- 8	- 4	+ 1	+ 6	+ 6	+ 3	+ 4	+ 5	+ 4	+ 4	+ 3	5.2
FEB	I	+ 6	+ 4	+ 6	+ 7	+ 9	+ 9	+11	+ 7	- 5	-20	-27	-28	-22	-11	- 2	+ 2	+ 6	+ 3	+ 5	+ 9	+ 9	+ 7	+ 6	+ 7	9.4
MAR	II	- 2	0	+ 2	+ 4	+ 4	+ 4	+ 5	+ 1	- 7	-12	-11	-12	-11	-10	- 7	- 2	+ 3	+ 4	+ 6	+ 8	+ 9	+ 8	+ 8	+ 8	6.2
APR	II	- 4	- 3	+ 1	+ 1	+ 5	+ 5	+ 5	+ 5	0	- 4	- 4	- 2	- 2	- 6	- 7	- 7	- 4	0	+ 2	+ 4	+ 3	+ 3	+ 4	+ 4	3.5
MAY	III	- 3	0	+ 1	+ 1	+ 2	+ 4	+ 6	+10	+ 9	+ 6	- 1	- 8	-11	-15	-18	-14	- 5	+ 2	+ 5	+ 6	+ 6	+ 5	+ 6	+ 6	6.3
JUN	III	- 6	- 3	0	+ 1	+ 2	+ 3	+ 5	+10	+12	+12	+ 5	- 2	- 7	-15	-17	-12	- 5	0	+ 3	+ 4	+ 3	+ 4	+ 3	+ 3	5.8
JUL	III	- 4	- 3	- 2	- 1	+ 1	+ 3	+ 6	+ 9	+12	+11	+ 8	+ 2	- 5	-13	-15	-15	- 9	- 1	+ 2	+ 3	+ 4	+ 4	+ 3	+ 2	5.8
AUG	III	- 2	- 1	+ 1	+ 1	+ 4	+ 6	+ 9	+15	+16	+15	+ 6	- 4	-17	-24	-23	-18	-10	- 2	+ 2	+ 4	+ 5	+ 5	+ 5	+ 6	8.4
SEP	II	+ 2	+ 3	+ 4	+ 7	+ 7	+ 7	+ 8	+ 9	+ 9	+ 4	- 1	- 7	-14	-13	-12	-10	- 6	- 2	0	+ 1	+ 1	+ 2	+ 3	+ 2	5.5
OCT	II	- 3	- 2	+ 1	+ 2	+ 3	+ 6	+ 7	+ 8	+ 5	+ 2	- 4	- 7	- 8	- 8	- 4	- 1	0	+ 1	+ 1	0	0	0	0	+ 2	3.2
NOV	I	- 6	- 4	0	- 1	+ 1	0	+ 2	+ 3	+ 5	+ 6	+ 6	+ 4	+ 2	0	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	0	- 2	2.4
DEC	I	- 6	- 4	- 4	- 3	- 2	0	0	- 1	0	+ 3	+ 4	0	+ 1	0	- 2	+ 2	+ 2	+ 3	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	1.8
MEANS	I	- 1.1	- 0.1	+ 1.4	+ 1.6	+ 2.3	+ 3.4	+ 4.8	+ 3.4	- 0.6	- 5.0	- 7.6	- 9.2	- 7.6	- 4.8	- 2.3	+ 0.8	+ 3.0	+ 2.5	+ 1.8	+ 3.0	+ 3.2	+ 2.6	+ 2.5	+ 2.1	3.2
	II	- 1.5	- 0.3	+ 1.8	+ 3.6	+ 4.6	+ 5.6	+ 6.0	+ 5.6	+ 1.7	- 2.6	- 5.2	- 7.2	- 8.8	- 9.0	- 7.6	- 5.2	- 1.7	+ 1.0	+ 2.0	+ 3.0	+ 3.4	+ 3.5	+ 3.5	+ 3.8	4.1
	III	- 3.8	- 1.7	- 0.3	+ 0.5	+ 2.4	+ 4.2	+ 6.7	+10.9	+12.8	+10.6	+ 4.4	- 3.1	-10.2	-16.8	-18.1	-14.9	- 7.4	- 0.4	+ 3.0	+ 4.4	+ 4.4	+ 4.3	+ 4.3	+ 4.3	6.4
	YEAR	- 2.1	- 0.7	+ 1.0	+ 1.9	+ 3.1	+ 4.4	+ 5.8	+ 6.7	+ 4.6	+ 1.1	- 2.8	- 6.5	- 8.9	-10.2	- 9.3	- 6.4	- 2.0	+ 1.0	+ 2.2	+ 3.5	+ 3.6	+ 3.5	+ 3.4	+ 3.4	4.1

TABLE 364--CONCLUDED

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 6	-13	-17	-16	-15	-12	- 7	0	+ 7	+ 8	+ 5	+ 5	+ 6	+ 6	+ 4	+ 3	+ 3	+ 2	+ 3	+ 3	+ 4	+ 8	+12	+ 7	7.2
FEB	I	- 4	-17	-27	-34	-30	-19	- 8	- 1	+ 5	+ 3	+ 6	+10	+ 8	+ 5	+ 6	+ 6	+ 7	+ 9	+10	+10	+11	+13	+15	+15	11.5
MAR	II	- 9	-15	-19	-18	-14	-11	- 9	- 5	0	+ 4	+ 6	+ 7	+ 6	+ 7	+ 6	+ 6	+ 5	+ 6	+ 6	+ 6	+ 7	+ 8	+ 9	+ 7	8.1
APR	II	+ 3	- 3	- 6	- 5	- 5	- 5	- 6	- 5	- 3	- 1	0	0	+ 1	+ 2	+ 1	+ 1	+ 1	+ 1	+ 1	+ 4	+ 5	+ 7	+ 6	+ 6	3.3
MAY	III	+ 6	+ 2	- 4	-10	-13	-18	-22	-16	- 5	+ 2	+ 4	+ 5	+ 4	+ 4	+ 5	+ 6	+ 4	+ 4	+ 4	+ 5	+ 6	+ 7	+ 9	+12	7.4
JUN	III	+10	+ 9	+ 4	- 2	- 7	-12	-14	-12	- 7	- 5	- 2	- 2	- 1	+ 1	0	0	+ 2	+ 2	+ 4	+ 4	+ 5	+ 5	+ 6	+11	5.4
JUL	III	+12	+11	+ 5	- 1	- 9	-16	-17	-18	-13	- 5	- 1	+ 1	+ 2	+ 2	+ 1	+ 1	0	+ 2	+ 3	+ 4	+ 4	+ 8	+ 9	+15	6.7
AUG	III	+12	+ 8	- 1	-11	-23	-28	-26	-21	-12	- 4	0	+ 3	+ 4	+ 4	+ 4	+ 4	+ 4	+ 6	+ 7	+ 9	+11	+14	+17	+22	10.6
SEP	II	+ 1	- 4	- 8	-10	-11	- 9	- 8	- 7	- 5	- 2	0	0	0	+ 1	+ 3	+ 1	+ 3	+ 5	+ 5	+ 7	+ 8	+ 8	+ 9	+11	5.3
OCT	II	+ 2	- 2	- 8	-13	-14	-13	- 8	- 4	- 2	0	- 2	- 3	0	+ 2	+ 2	+ 2	+ 2	+ 3	+ 6	+ 7	+ 8	+ 9	+12	+13	5.7
NOV	I	+ 2	0	0	0	+ 1	0	0	+ 2	+ 2	+ 1	0	- 1	- 1	- 4	- 4	- 4	- 4	- 4	- 2	0	0	+ 2	+ 6	+ 6	2.1
DEC	I	- 5	- 2	- 1	- 2	- 2	- 4	- 7	- 2	- 1	- 2	- 3	0	0	+ 1	+ 2	+ 1	+ 1	+ 2	+ 2	+ 2	+ 3	+ 5	+ 7	+ 5	2.6
MEANS	I	- 3.0	- 7.8	-11.3	-13.1	-11.4	- 8.8	- 5.4	- 0.4	+ 3.4	+ 2.5	+ 1.8	+ 3.6	+ 3.3	+ 2.0	+ 2.0	+ 1.8	+ 1.6	+ 2.2	+ 3.3	+ 3.7	+ 4.5	+ 7.2	+ 9.8	+ 8.4	5.1
	II	- 0.6	- 5.9	-10.2	-11.2	-10.8	- 9.5	- 7.6	- 5.2	- 2.4	+ 0.1	+ 1.0	+ 1.1	+ 1.8	+ 2.8	+ 3.0	+ 2.6	+ 2.8	+ 3.8	+ 4.6	+ 6.0	+ 7.0	+ 8.0	+ 9.3	+ 9.4	5.3
	III	+10.0	+ 7.5	+ 0.9	- 6.0	-13.3	-18.7	-19.6	-16.6	- 9.5	- 3.2	+ 0.2	+ 1.6	+ 2.1	+ 2.8	+ 2.6	+ 2.7	+ 2.4	+ 3.4	+ 4.6	+ 5.5	+ 6.4	+ 8.3	+10.8	+15.0	7.2
	YEAR	+ 2.1	- 2.1	- 6.0	-10.1	-11.8	-12.3	-10.8	- 7.4	- 2.8	- 0.2	+ 1.0	+ 2.1	+ 2.4	+ 2.5	+ 2.6	+ 2.4	+ 2.3	+ 3.2	+ 4.2	+ 5.0	+ 6.0	+ 7.8	+10.0	+10.9	5.4

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 1	- 8	-10	- 7	0	+ 8	+12	+14	+21	+17	0	+ 2	- 3	0	- 2	+ 2	- 8	-10	-11	- 5	- 2	- 4	0	- 4	6.4
FEB	I	+10	- 8	- 5	- 1	+ 8	+ 2	+ 2	- 2	- 2	0	+ 2	+ 7	+ 4	+ 1	+ 4	- 3	- 2	0	- 4	+ 2	- 2	- 5	- 3	- 3	3.4
MAR	II	+29	+25	+22	+18	+10	+ 7	+ 3	+ 3	+13	+ 5	-12	-32	-34	-29	-26	-20	- 8	- 2	+ 4	+12	+ 8	+ 4	+ 3	- 2	13.7
APR	II	+ 2	-12	-25	-32	-33	-28	-24	-29	-16	- 6	+ 3	- 4	+ 7	+ 8	+ 4	+16	+16	+26	+34	+33	+38	+25	+ 6	- 9	18.2
MAY	III	+12	+ 8	+ 4	- 5	-10	-15	-18	-18	-12	-13	-16	-14	- 9	- 7	- 5	- 6	+ 1	+ 9	+14	+15	+26	+28	+18	+12	12.2
JUN	III	+27	+25	+20	+14	+ 4	- 6	-10	- 4	- 1	+ 1	- 4	-10	-22	-19	-14	- 8	-10	- 6	- 1	0	+ 8	+ 8	+ 6	+ 4	9.7
JUL	III	+32	+30	+30	+16	+ 3	- 7	-10	-12	-11	-11	-15	-12	-19	-15	-14	-11	- 9	- 6	0	+ 4	+ 4	+ 7	+12	+16	12.8
AUG	III	+44	+39	+41	+34	+14	- 5	-14	-11	-23	-46	-42	-34	-23	-18	-16	-10	- 7	- 2	+ 2	+ 9	+14	+16	+19	+20	21.0
SEP	II	+14	+ 5	+ 6	+ 3	- 5	-10	-15	- 9	- 7	- 4	- 1	0	+ 3	+ 4	+ 7	+ 7	+ 4	+ 5	+ 4	- 1	0	- 2	- 3	- 4	5.2
OCT	II	+14	+ 8	- 2	-12	-20	-20	-27	-27	-12	0	+ 9	+ 5	+ 6	+ 3	+ 2	- 8	+ 5	+ 6	+11	+10	+10	+10	+13	+18	10.7
NOV	I	+ 7	+ 8	+ 9	+13	+15	+16	+10	+ 4	- 2	- 7	- 4	- 6	-12	- 7	- 7	-12	- 6	+ 2	0	- 6	- 9	- 1	- 1	- 1	7.0
DEC	I	+ 4	+ 2	- 6	-11	-10	- 2	+ 7	+17	+18	+16	+ 7	- 1	- 4	- 9	- 8	-11	- 6	- 4	-12	+ 8	0	+ 1	0	0	6.7
MEANS	I	+ 5.0	- 1.6	- 2.9	- 1.6	+ 3.2	+ 5.9	+ 7.6	+ 8.4	+ 8.8	+ 6.7	+ 1.3	+ 0.3	- 4.0	- 3.8	- 3.4	- 6.1	- 5.6	- 2.8	- 6.9	- 0.5	- 3.2	- 2.4	- 0.8	- 2.0	3.9
	II	+14.8	+ 6.4	+ 0.5	- 5.7	-12.1	-12.8	-16.0	-15.6	- 5.5	- 1.3	- 0.5	- 7.8	- 4.4	- 3.8	- 3.2	- 1.0	+ 4.4	+ 8.9	+12.9	+13.5	+14.0	+ 9.2	+ 4.7	+ 0.7	7.5
	III	+26.6	+25.4	+23.7	+14.8	+ 2.8	- 8.2	-13.0	-11.4	-11.9	-17.2	-19.3	-17.7	-18.3	-14.6	-12.2	- 8.6	- 6.4	- 1.4	+ 3.5	+ 7.0	+12.8	+14.7	+13.8	+13.1	13.4
	YEAR	+16.1	+10.1	+ 7.1	+ 2.5	- 2.1	- 5.0	- 7.1	- 6.2	- 2.9	- 4.0	- 6.2	- 8.4	- 8.9	- 7.4	- 6.2	- 5.2	- 2.5	+ 1.6	+ 3.2	+ 6.7	+ 7.9	+ 7.2	+ 5.9	+ 3.9	6.0

TABLE 365

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 1	0	- 2	- 2	- 5	-11	-24	-35	-47	-47	-28	0	+21	+34	+38	+31	+23	+16	+10	+ 8	+ 8	+ 7	+ 4	0	16.9
FEB	I	- 4	- 4	- 3	- 1	0	- 4	-14	-33	-52	-57	-47	-22	+ 8	+34	+47	+46	+38	+25	+16	+14	+ 9	+ 5	0	- 2	20.2
MAR	II	- 1	- 2	- 2	- 1	- 3	- 4	- 9	-26	-39	-46	-38	-18	+ 7	+26	+36	+36	+30	+19	+12	+12	+ 6	+ 4	0	0	15.8
APR	II	- 3	- 1	- 1	0	- 1	- 1	+ 3	- 9	-23	-31	-30	-17	+ 2	+16	+23	+26	+21	+13	+ 8	+ 5	+ 2	0	- 2	- 2	10.1
MAY	III	- 6	- 4	- 4	- 2	0	0	0	- 3	-11	-19	-18	-10	+ 2	+12	+20	+23	+19	+10	+ 6	+ 3	- 1	- 5	- 5	- 6	7.9
JUN	III	- 6	- 4	- 3	- 1	+ 1	+ 1	+ 2	+ 2	- 6	-13	-16	-14	- 4	+ 7	+16	+21	+18	+10	+ 5	+ 4	0	- 5	- 7	- 7	7.2
JUL	III	- 6	- 5	- 3	- 1	0	0	0	+ 1	- 4	-13	-19	-16	- 6	+ 4	+15	+21	+19	+14	+ 8	+ 4	+ 2	- 3	- 6	- 7	7.4
AUG	III	- 3	- 2	- 1	+ 1	0	0	+ 1	- 1	-15	-28	-35	-31	-14	+ 6	+22	+31	+29	+20	+13	+ 8	+ 3	+ 2	- 2	- 3	11.2
SEP	II	- 3	- 2	- 1	+ 1	0	+ 1	0	-10	-25	-34	-35	-27	- 8	+13	+27	+30	+26	+18	+12	+10	+ 6	+ 4	0	- 3	12.4
OCT	II	- 4	- 4	- 2	+ 2	+ 3	- 1	- 9	-21	-34	-42	-40	-25	0	+22	+38	+42	+34	+22	+14	+ 9	+ 4	0	- 4	- 5	15.9
NOV	I	+ 1	0	- 1	0	- 1	- 6	-16	-27	-36	-38	-30	-13	+ 6	+23	+32	+31	+26	+19	+13	+11	+ 6	+ 2	- 1	- 2	14.2
DEC	I	- 4	- 5	- 5	- 2	- 4	- 8	-17	-23	-30	-32	-23	-10	+ 3	+17	+26	+28	+25	+20	+16	+13	+ 9	+ 6	+ 3	0	13.7
MEANS	I	- 2.2	- 2.5	- 2.7	- 1.1	- 2.5	- 7.4	-17.4	-29.6	-41.2	-43.6	-31.8	-11.3	+ 9.5	+26.8	+35.6	+34.3	+28.1	+19.9	+14.0	+11.5	+ 8.2	+ 4.8	+ 1.4	- 0.8	16.2
	II	- 2.9	- 2.3	- 1.3	+ 0.3	- 0.2	- 1.2	- 3.8	-16.5	-30.2	-38.5	-35.8	-21.7	+ 0.4	+19.5	+31.1	+33.6	+27.6	+18.3	+11.5	+ 9.2	+ 4.7	+ 1.7	- 1.4	- 2.6	13.2
	III	- 5.2	- 3.8	- 2.6	- 0.8	+ 0.5	+ 0.4	+ 0.7	- 0.1	- 9.0	-18.3	-22.2	-17.8	- 5.7	+ 6.8	+18.1	+24.0	+21.3	+13.7	+ 8.0	+ 4.8	+ 1.0	- 2.8	- 5.0	- 5.9	8.3
	YEAR	- 3.4	- 2.9	- 2.2	- 0.5	- 0.7	- 2.7	- 6.8	-15.4	-26.8	-33.5	-29.9	-16.9	+ 1.4	+17.7	+28.3	+30.6	+25.7	+17.3	+11.1	+ 8.5	+ 4.6	+ 1.2	- 1.6	- 3.1	12.2

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	+ 2	+ 1	- 1	- 3	- 9	-21	-34	-44	-46	-31	- 6	+14	+31	+37	+31	+24	+16	+10	+ 9	+ 8	+ 6	+ 3	+ 2	16.2
FEB	I	0	0	+ 1	+ 1	0	- 5	-15	-36	-58	-66	-54	-27	+11	+41	+51	+48	+37	+22	+14	+12	+10	+ 7	+ 4	+ 2	21.7
MAR	II	- 1	- 1	0	+ 1	- 2	- 2	-10	-26	-40	-48	-38	-17	+ 7	+24	+32	+33	+26	+16	+10	+10	+ 9	+ 8	+ 6	+ 3	15.4
APR	II	- 2	- 3	- 1	- 1	0	- 2	- 5	-15	-26	-32	-29	-16	+ 2	+16	+22	+23	+21	+16	+11	+ 8	+ 6	+ 4	+ 2	+ 1	11.0
MAY	III	- 4	- 1	- 1	- 2	- 2	- 2	- 3	- 8	-16	-23	-21	-12	0	+11	+20	+23	+20	+12	+ 7	+ 6	+ 2	0	- 3	- 4	8.5
JUN	III	- 4	- 1	0	+ 2	+ 3	+ 2	+ 2	+ 2	- 5	-12	-18	-16	- 7	+ 4	+14	+19	+15	+ 8	+ 3	+ 1	- 1	- 4	- 5	- 4	6.3
JUL	III	- 3	- 2	- 1	+ 1	- 1	0	0	0	- 7	-16	-22	-18	- 8	+ 2	+14	+21	+19	+11	+ 6	+ 4	+ 2	0	- 1	- 1	6.8
AUG	III	- 1	0	0	0	0	0	+ 2	0	-15	-31	-41	-37	-16	+ 6	+23	+31	+27	+18	+12	+ 9	+ 6	+ 4	+ 3	+ 1	11.8
SEP	II	- 4	- 4	- 2	+ 1	+ 1	+ 3	+ 2	- 8	-24	-36	-38	-28	- 9	+11	+27	+32	+26	+17	+13	+11	+ 7	+ 4	+ 1	- 1	12.9
OCT	II	- 3	- 1	+ 1	+ 3	+ 4	+ 1	- 9	-22	-38	-45	-41	-25	0	+21	+35	+37	+29	+19	+12	+ 9	+ 7	+ 5	+ 1	- 1	15.5
NOV	I	+ 1	+ 2	+ 3	+ 5	+ 2	- 3	-12	-24	-32	-35	-29	-14	+ 4	+20	+28	+26	+20	+13	+ 9	+ 7	+ 6	+ 2	- 1	- 1	12.6
DEC	I	0	0	0	- 1	- 5	-10	-19	-26	-31	-33	-21	- 7	+ 4	+14	+21	+22	+21	+17	+14	+13	+11	+ 8	+ 5	+ 3	12.8
MEANS	I	+ 0.5	+ 1.0	+ 1.3	+ 1.1	- 1.2	- 6.9	-16.7	-29.8	-41.0	-45.0	-33.6	-13.8	+ 8.2	+26.4	+34.4	+31.9	+25.5	+16.9	+11.7	+10.3	+ 8.8	+ 5.8	+ 2.8	+ 1.4	15.7
	II	- 2.8	- 2.3	- 0.6	+ 0.9	+ 0.7	+ 0.1	- 5.4	-18.0	-32.0	-40.0	-36.2	-21.5	- 0.2	+17.8	+29.0	+31.2	+25.4	+17.3	+11.6	+ 9.6	+ 7.3	+ 5.2	+ 2.6	+ 0.5	13.3
	III	- 3.2	- 1.0	- 0.3	+ 0.4	- 0.1	+ 0.1	+ 0.1	- 1.5	-10.8	-20.5	-25.5	-20.8	- 7.9	+ 5.7	+17.7	+23.4	+20.3	+12.2	+ 7.0	+ 5.0	+ 2.4	+ 0.2	- 1.4	- 1.8	7.9
	YEAR	- 1.8	- 0.8	+ 0.1	+ 0.8	- 0.2	- 2.2	- 7.3	-16.4	-27.9	-35.2	-31.8	-18.6	0.0	+16.7	+27.0	+28.9	+23.7	+15.5	+10.1	+ 8.3	+ 6.2	+ 3.7	+ 1.3	0.0	11.9

TABLE 365--CONCLUDED

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-44	-45	-29	- 5	+13	+30	+36	+31	+25	+15	+10	+10	+10	+ 8	+ 6	+ 3	+ 2	+ 2	+ 1	- 1	- 3	-10	-25	-40	16.8
FEB	I	-59	-68	-59	-35	+ 7	+42	+56	+53	+42	+26	+16	+13	+11	+ 7	+ 4	+ 2	+ 2	0	0	0	- 2	- 5	-16	-36	23.3
MAR	II	-45	-56	-47	-24	+ 6	+26	+35	+35	+28	+18	+13	+12	+11	+10	+ 8	+ 5	+ 4	+ 3	+ 2	0	- 2	- 5	-10	-26	17.8
APR	II	-26	-33	-28	-13	+ 6	+20	+25	+23	+18	+14	+10	+ 6	+ 5	+ 3	+ 1	0	- 1	- 1	- 1	0	- 2	- 2	- 7	-17	10.8
MAY	III	-20	-26	-23	-12	+ 2	+15	+24	+26	+21	+12	+ 6	+ 5	+ 2	0	- 3	- 4	- 3	- 2	- 2	- 2	- 2	- 2	- 4	- 8	9.5
JUN	III	- 4	-13	-18	-15	- 6	+ 4	+14	+20	+17	+10	+ 5	+ 3	+ 1	- 1	- 4	- 3	- 1	- 2	- 2	- 1	- 2	- 1	- 1	0	6.1
JUL	III	- 6	-18	-24	-22	-11	+ 2	+15	+22	+19	+11	+ 5	+ 3	0	- 1	- 2	- 3	- 1	+ 1	+ 1	+ 2	+ 3	+ 2	+ 1	+ 1	7.3
AUG	III	-16	-31	-40	-35	-13	+ 8	+25	+31	+26	+16	+11	+ 9	+ 4	+ 3	+ 2	+ 1	+ 1	+ 1	+ 1	+ 1	0	- 1	0	- 3	11.6
SEP	II	-26	-35	-34	-23	- 2	+18	+30	+31	+22	+13	+ 9	+ 8	+ 5	+ 4	0	0	+ 1	0	0	0	- 1	- 2	- 5	-15	11.9
OCT	II	-37	-46	-41	-27	- 4	+18	+32	+34	+27	+18	+12	+11	+ 9	+ 7	+ 3	+ 1	+ 2	+ 2	+ 4	+ 4	+ 3	0	- 9	-24	15.6
NOV	I	-44	-49	-43	-22	+ 5	+26	+38	+37	+29	+20	+12	+11	+10	+ 7	+ 4	+ 3	+ 2	+ 2	+ 3	+ 2	0	- 5	-16	-32	17.5
DEC	I	-28	-32	-20	- 8	+ 3	+14	+20	+22	+21	+16	+14	+15	+14	+ 9	+ 5	+ 2	0	- 1	- 1	- 2	- 6	-11	-19	-25	12.8
MEANS	I	-43.8	-48.2	-37.9	-17.3	+ 7.0	+28.1	+37.4	+35.6	+29.0	+19.0	+13.3	+12.2	+10.9	+ 7.8	+ 4.9	+ 2.4	+ 1.2	+ 0.7	+ 0.6	- 0.3	- 2.5	- 7.9	-19.0	-33.1	17.5
	II	-33.6	-42.4	-37.4	-21.8	+ 1.6	+20.5	+30.4	+30.8	+23.8	+15.6	+10.8	+ 9.1	+ 7.7	+ 5.9	+ 2.9	+ 1.4	+ 1.5	+ 1.0	+ 1.4	+ 1.2	- 0.2	- 2.2	- 7.8	-20.2	13.8
	III	-11.6	-22.2	-26.6	-21.0	- 6.8	+ 7.1	+19.2	+24.8	+20.9	+12.4	+ 6.9	+ 4.9	+ 2.0	0.0	- 1.7	- 2.0	- 1.2	- 0.5	- 0.2	0.0	- 0.4	- 0.6	- 0.8	- 2.8	8.2
	YEAR	-29.6	-37.6	-34.0	-20.0	+ 0.6	+18.6	+29.0	+30.4	+24.5	+15.7	+10.3	+ 8.7	+ 6.9	+ 4.6	+ 2.0	+ 0.6	+ 0.5	+ 0.4	+ 0.6	+ 0.3	- 1.0	- 3.6	- 9.2	-18.7	12.8

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-40	-37	-13	+17	+35	+39	+38	+27	+19	+13	+11	+ 6	+12	+ 9	+ 7	- 4	- 8	- 8	-11	- 6	-12	-18	-34	-43	19.5
FEB	I	-49	-50	-37	-15	+ 6	+29	+44	+46	+44	+36	+27	+21	+13	+ 7	- 1	- 2	-10	-15	-15	- 5	- 1	-14	-19	-38	22.6
MAR	II	-38	-44	-40	-22	+ 2	+27	+42	+43	+47	+32	+22	+22	- 4	- 7	-16	- 6	- 4	- 5	- 6	- 5	- 8	- 2	- 5	-24	19.8
APR	II	- 6	-22	-33	-23	- 1	+12	+19	+28	+18	+ 6	- 5	- 4	-10	-12	-10	- 4	- 6	+ 3	+ 5	+ 6	- 2	- 2	+36	+ 5	11.4
MAY	III	+ 2	- 5	- 3	0	+ 9	+ 9	+13	+14	+14	+ 5	+ 2	- 4	- 7	-15	-11	-16	- 8	- 6	-14	-11	+ 6	+ 7	+ 9	+ 9	8.3
JUN	III	- 4	-13	-14	-12	- 2	+12	+19	+20	+19	+13	+10	+12	+ 2	- 9	-11	-15	-17	-15	-12	- 7	+ 2	+ 5	+ 9	+ 7	10.9
JUL	III	- 3	-12	-20	-16	- 4	+ 8	+25	+29	+22	+24	+13	+ 4	- 2	-12	-13	-14	-13	-12	- 8	- 7	0	+ 3	+ 4	+ 3	11.3
AUG	III	-17	-23	-26	-21	- 4	+12	+24	+38	+41	+33	+19	- 1	- 7	- 7	-16	-18	-15	- 9	- 4	+ 3	+ 2	- 1	- 2	+ 1	14.3
SEP	II	-30	-34	-31	-22	- 4	+18	+28	+30	+30	+21	+12	+ 9	+ 5	+ 3	0	- 4	- 6	- 9	- 6	+ 2	+ 4	0	- 1	-13	13.5
OCT	II	-30	-35	-36	-23	+ 1	+23	+42	+46	+42	+28	+17	+ 6	- 4	-11	-15	-13	- 5	- 7	- 5	- 4	+ 2	0	- 4	-13	17.2
NOV	I	-37	-31	-19	- 3	+12	+27	+35	+38	+35	+31	+24	+10	+ 4	- 3	- 7	-12	- 7	- 6	-15	-15	- 8	- 7	-20	-24	17.9
DEC	I	-37	-37	-26	-10	+ 6	+23	+37	+44	+39	+30	+25	+21	+11	+10	+ 6	+ 1	-14	-24	-22	- 4	-10	-15	-23	-30	21.0
MEANS	I	-40.7	-38.9	-23.8	- 2.6	+14.6	+29.3	+38.5	+38.6	+34.3	+27.6	+21.7	+14.5	+ 9.8	+ 5.7	+ 1.2	- 4.2	- 9.9	-13.2	-15.9	- 7.5	- 8.0	-13.3	-24.0	-33.6	19.6
	II	-25.9	-33.9	-35.2	-22.7	- 0.4	+19.8	+32.5	+36.6	+34.0	+22.1	+11.7	+ 8.5	- 3.0	- 6.6	-10.0	- 6.6	- 5.4	- 4.5	- 3.0	- 0.1	- 1.0	- 1.1	+ 6.7	-11.5	14.3
	III	- 5.6	-13.4	-15.8	-12.1	- 0.2	+10.2	+20.2	+25.4	+24.0	+18.7	+11.0	+ 2.8	- 3.5	-10.8	-12.8	-15.5	-13.1	-10.4	- 9.6	- 5.7	+ 2.4	+ 3.6	+ 4.9	+ 5.0	10.7
	YEAR	-24.1	-28.7	-25.0	-12.5	+ 4.7	+19.8	+30.4	+33.6	+30.8	+22.8	+14.8	+ 8.6	+ 1.1	- 3.9	- 7.2	- 8.8	- 9.5	- 9.4	- 9.5	- 4.4	- 2.2	- 3.6	- 4.1	-13.4	13.9

TABLE 366

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-11	- 8	- 7	- 6	- 7	-12	-19	-23	-22	- 7	+21	+42	+47	+42	+29	+14	+ 2	- 7	-10	-10	-10	-11	-12	-12	16.3
FEB	I	-12	-10	- 7	- 3	- 2	- 6	-15	-28	-35	-25	0	+29	+54	+62	+49	+28	+ 9	- 6	-11	-10	-14	-17	-17	-14	19.3
MAR	II	-10	- 8	- 6	- 4	- 5	- 7	-12	-22	-24	-15	+ 7	+32	+48	+50	+40	+24	+ 8	- 6	-12	-13	-17	-17	-16	-13	17.4
APR	II	- 7	- 3	- 1	0	0	0	- 1	-11	-16	-13	0	+16	+30	+32	+25	+14	+ 3	- 5	- 9	-11	-12	-12	-11	- 9	10.0
MAY	III	- 4	- 2	0	+ 1	+ 3	+ 3	+ 2	- 1	- 6	- 7	- 1	+ 9	+16	+18	+16	+11	+ 2	- 5	- 7	- 9	-11	-11	- 9	- 8	6.8
JUN	III	- 6	- 3	- 1	+ 1	+ 2	+ 1	+ 2	+ 2	- 2	- 6	- 4	+ 4	+12	+17	+18	+13	+ 3	- 3	- 6	- 7	-10	-11	-10	- 7	6.2
JUL	III	- 6	- 4	- 1	0	+ 1	+ 1	+ 3	+ 4	- 2	- 6	- 4	+ 4	+13	+18	+20	+15	+ 4	- 2	- 6	- 8	-10	-11	-12	-10	5.8
AUG	III	- 8	- 5	- 2	- 1	0	0	+ 1	- 2	-12	-17	-12	+ 2	+21	+31	+33	+27	+11	- 3	- 8	-11	-12	-11	-11	-10	10.5
SEP	II	- 8	- 5	- 2	- 1	- 1	- 2	- 3	-12	-20	-12	- 9	+ 9	+27	+36	+33	+22	+ 9	- 1	- 5	- 7	- 9	-10	-11	-11	11.4
OCT	II	- 8	- 5	- 2	+ 1	0	- 4	-10	-17	-20	-14	+ 2	+22	+40	+46	+40	+25	+ 5	- 8	-13	-14	-16	-18	-17	-14	15.0
NOV	I	- 7	- 4	- 3	- 1	- 3	- 7	-12	-16	-14	- 7	+ 8	+26	+36	+38	+31	+16	+ 2	- 6	-10	-12	-14	-15	-14	-12	13.1
DEC	I	-10	- 7	- 4	0	- 2	- 5	-10	-11	-11	- 4	+ 8	+17	+24	+28	+25	+19	+ 8	0	- 5	- 8	-12	-13	-14	-12	10.7
MEANS	I	-10.2	- 7.2	- 5.2	- 2.4	- 3.5	- 7.6	-13.9	-19.5	-20.6	-10.8	+ 9.3	+28.4	+40.0	+42.6	+33.5	+19.0	+ 5.3	- 4.7	- 9.3	-10.0	-12.9	-13.9	-14.0	-12.6	14.8
	II	- 8.5	- 5.4	- 2.8	- 1.1	- 1.4	- 2.9	- 6.4	-15.5	-20.2	-15.3	- 0.2	+19.6	+36.0	+40.8	+34.6	+21.5	+ 6.2	- 4.9	- 9.5	-11.4	-13.6	-14.2	-13.7	-11.9	13.2
	III	- 5.9	- 3.2	- 1.3	+ 0.2	+ 1.3	+ 1.4	+ 1.9	+ 0.8	- 5.6	- 9.0	- 5.2	+ 4.8	+15.4	+21.0	+21.6	+16.2	+ 5.0	- 3.4	- 6.8	- 8.8	-10.7	-11.2	-10.4	- 8.6	7.5
	YEAR	- 8.2	- 5.3	- 3.1	- 1.1	- 1.2	- 3.0	- 6.1	-11.4	-15.5	-11.7	+ 1.3	+17.6	+30.4	+34.8	+29.9	+18.9	+ 5.5	- 4.4	- 8.5	-10.1	-12.4	-13.1	-12.7	-11.0	11.6

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 9	- 6	- 6	- 6	- 8	-12	-19	-24	-23	-10	+16	+36	+44	+41	+28	+13	+ 2	- 5	- 8	- 8	- 8	- 9	-10	- 9	14.9
FEB	I	-10	- 8	- 6	- 5	- 5	-11	-21	-35	-43	-31	- 3	+32	+64	+71	+55	+30	+ 8	- 9	-12	-11	-12	-14	-14	-12	21.7
MAR	II	-11	- 9	- 7	- 4	- 7	- 7	-14	-24	-28	-17	+ 7	+29	+42	+42	+34	+21	+ 7	- 5	- 8	- 7	- 7	- 8	- 8	- 9	15.1
APR	II	- 9	- 7	- 4	- 4	- 2	- 3	- 7	-14	-17	-11	+ 2	+17	+29	+31	+25	+15	+ 6	0	- 4	- 7	- 9	- 9	- 8	- 7	10.3
MAY	III	- 4	- 2	- 2	- 3	- 4	- 3	- 3	- 6	- 9	- 8	- 1	+10	+17	+20	+18	+11	+ 3	- 3	- 4	- 5	- 7	- 7	- 6	- 5	6.6
JUN	III	- 7	- 3	- 2	- 1	- 1	- 2	- 1	- 1	- 4	- 7	- 5	+ 2	+11	+16	+17	+13	+ 4	- 1	- 3	- 4	- 5	- 6	- 6	- 3	5.2
JUL	III	- 7	- 5	- 3	- 2	- 2	- 1	0	0	- 6	- 8	- 6	+ 2	+11	+16	+20	+15	+ 5	- 2	- 3	- 4	- 5	- 6	- 6	- 5	5.8
AUG	III	- 8	- 6	- 5	- 4	- 3	- 2	- 1	- 4	-17	-24	-20	- 4	+19	+32	+35	+29	+14	+ 2	- 1	- 4	- 6	- 7	- 7	- 8	11.0
SEP	II	- 9	- 5	- 3	0	0	- 1	- 3	-12	-20	-20	- 9	+ 9	+25	+35	+35	+24	+ 9	- 2	- 5	- 7	-10	-10	-10	-10	11.3
OCT	II	- 7	- 5	- 3	- 1	- 2	- 5	-14	-22	-25	-18	- 1	+22	+38	+45	+39	+24	+ 5	- 6	-10	-11	-11	-11	-11	- 9	14.4
NOV	I	- 7	- 5	- 3	- 3	- 5	-10	-14	-17	-12	- 6	+ 7	+23	+33	+35	+27	+13	+ 1	- 6	- 8	- 8	- 8	-10	-10	- 8	11.6
DEC	I	- 8	- 5	- 5	- 5	- 7	-12	-16	-16	-12	- 3	+11	+21	+24	+25	+22	+16	+ 6	0	- 3	- 4	- 6	- 7	- 8	- 7	10.4
MEANS	I	- 8.3	- 6.2	- 4.9	- 4.5	- 6.2	-11.0	-17.3	-23.0	-22.2	-12.6	+ 7.9	+27.7	+41.4	+43.1	+32.9	+17.9	+ 4.3	- 5.0	- 7.7	- 7.7	- 8.8	- 9.9	-10.4	- 9.1	14.6
	II	- 9.0	- 6.7	- 4.0	- 2.3	- 2.7	- 4.0	- 9.6	-18.3	-22.7	-16.4	0.0	+19.0	+33.4	+38.1	+33.0	+20.9	+ 6.7	- 3.2	- 6.8	- 7.8	- 9.2	- 9.6	- 9.4	- 8.8	12.6
	III	- 6.6	- 4.0	- 2.9	- 2.4	- 2.4	- 1.9	- 1.2	- 3.0	- 8.8	-11.7	- 8.0	+ 2.6	+14.6	+21.0	+22.6	+17.0	+ 6.4	- 0.9	- 2.8	- 4.1	- 5.7	- 6.3	- 6.1	- 5.2	7.0
	YEAR	- 8.0	- 5.6	- 4.0	- 3.1	- 3.8	- 5.7	- 9.4	-14.8	-17.9	-13.6	- 0.1	+16.5	+29.8	+34.1	+29.5	+18.6	+ 5.8	- 3.0	- 5.8	- 6.5	- 7.9	- 8.6	- 8.6	- 7.7	11.2

TABLE 366--CONCLUDED

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H. Z TOWARD NADIR. X NORTHWARD. Y EASTWARD. AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-25	-10	+15	+33	+40	+37	+26	+15	+ 3	- 4	- 7	- 7	- 7	- 8	- 9	- 9	- 7	- 5	- 4	- 3	- 5	-12	-21	-27	14.1
FEB	I	-45	-34	- 8	+28	+69	+83	+66	+37	+11	- 9	-14	-13	-14	-17	-16	-13	-11	- 9	- 7	- 7	- 8	-11	-22	-36	24.5
MAR	II	-33	-24	+ 3	+31	+47	+47	+38	+24	+ 8	- 3	- 8	- 8	- 8	- 9	- 9	- 9	- 8	- 8	- 7	- 7	- 7	-10	-15	-25	16.5
APR	II	-18	-12	+ 4	+22	+34	+32	+23	+13	+ 3	- 3	- 6	- 9	- 9	- 8	- 8	- 7	- 6	- 4	- 3	- 2	- 3	- 5	- 9	-17	10.9
MAY	III	-10	- 6	+ 2	+14	+21	+23	+20	+12	+ 2	- 4	- 6	- 6	- 7	- 7	- 6	- 6	- 5	- 4	- 4	- 4	- 5	- 4	- 4	- 6	7.9
JUN	III	- 2	- 7	- 6	+ 5	+14	+19	+19	+13	+ 2	- 4	- 7	- 8	- 9	- 8	- 8	- 5	- 3	- 2	- 1	0	- 1	- 1	0	0	6.0
JUL	III	- 7	-13	-11	- 1	+ 9	+15	+20	+16	+ 5	- 2	- 4	- 5	- 6	- 6	- 6	- 6	- 3	- 1	0	0	+ 1	+ 1	+ 2	+ 2	6.0
AUG	III	-18	-23	-17	- 1	+22	+33	+34	+27	+11	0	- 3	- 5	- 8	- 9	- 9	- 9	- 7	- 5	- 3	- 2	- 2	- 2	- 1	- 5	10.6
SEP	II	-24	-20	- 3	+17	+31	+36	+32	+20	+ 8	0	- 3	- 4	- 6	- 7	- 7	- 8	-10	-12	- 7	- 2	- 4	- 2	- 7	-17	12.0
OCT	II	-26	-19	- 2	+18	+35	+39	+34	+20	+ 4	- 6	- 9	- 8	- 7	- 7	- 7	- 6	- 3	- 2	0	0	- 3	- 6	-13	-22	12.4
NOV	I	-24	-16	+ 6	+34	+50	+52	+42	+22	+ 5	- 6	-10	-11	-12	-13	-13	-12	-10	- 8	- 6	- 6	- 8	-13	-20	-26	17.7
DEC	I	-12	- 6	+ 8	+20	+24	+27	+23	+17	+ 7	- 2	- 4	- 3	- 5	- 7	- 8	- 8	- 7	- 6	- 5	- 5	- 7	-11	-16	-17	10.6
MEANS	I	-26.8	-16.3	+ 5.4	+28.8	+45.6	+49.7	+39.5	+22.7	+ 6.6	- 5.0	- 8.8	- 8.3	- 9.7	-11.2	-11.3	-10.4	- 8.8	- 6.8	- 5.6	- 5.2	- 6.8	-11.7	-19.4	-26.5	16.5
	II	-25.1	-18.6	+ 0.4	+22.2	+36.6	+38.4	+31.5	+18.9	+ 5.9	- 3.1	- 6.4	- 7.5	- 7.8	- 7.7	- 7.8	- 7.7	- 6.8	- 6.5	- 4.2	- 3.0	- 4.1	- 5.6	-11.1	-20.4	12.8
	III	- 9.3	-12.4	- 7.9	+ 4.3	+16.5	+22.5	+23.4	+16.8	+ 5.0	- 2.7	- 4.9	- 5.9	- 7.6	- 7.5	- 7.2	- 6.3	- 4.5	- 2.9	- 2.0	- 1.6	- 1.6	- 1.4	- 0.8	- 2.2	7.4
	YEAR	-20.4	-15.8	- 0.7	+18 4	+33.0	+36.9	+31.5	+19.4	+ 5.8	- 3.6	- 6.7	- 7.2	- 8.4	- 8.8	- 8.8	- 8.1	- 6.7	- 5.4	- 3.9	- 3.2	- 4.2	- 6.2	-10.4	-16.4	12.1

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-16	+ 1	+36	+59	+59	+47	+30	+ 8	- 4	-12	-15	-15	-13	-13	-13	-16	-18	-16	-14	- 8	-10	-14	-22	-22	20.0
FEB	I	-28	-17	+ 8	+32	+50	+52	+43	+24	+12	0	- 7	- 9	-14	-17	-17	-17	-20	-18	-14	- 2	0	- 9	-12	-22	18.5
MAR	II	-14	- 7	+12	+38	+56	+61	+50	+31	+19	- 4	-20	-27	-45	-40	-37	-22	-12	- 8	- 5	0	- 2	0	- 5	-18	22.2
APR	II	- 7	-13	- 8	+10	+26	+28	+22	+13	- 3	-11	-19	-21	-19	-15	-12	- 3	- 3	+ 7	+10	+ 7	+ 4	+ 3	+17	-12	12.2
MAY	III	+ 1	0	+ 7	+12	+13	+11	+ 8	+ 2	0	-12	-14	-17	-17	-18	-12	-14	- 4	0	- 2	+ 2	+16	+17	+13	+ 8	9.2
JUN	III	+ 2	- 2	+ 3	+11	+19	+24	+20	+11	+ 2	- 4	- 8	-10	-22	-23	-18	-16	-13	- 8	- 2	0	+ 8	+ 9	+10	+ 6	10.4
JUL	III	+ 2	- 1	+ 4	+14	+21	+24	+26	+17	+ 1	- 3	-13	-18	-22	-23	-20	-15	-11	- 6	- 2	0	+ 4	+ 6	+ 7	+ 6	11.1
AUG	III	0	- 1	+ 8	+22	+35	+33	+30	+28	+ 8	-18	-31	-39	-30	-22	-23	-15	-10	- 1	+ 3	+ 8	+ 7	+ 3	+ 3	+ 3	15.9
SEP	II	-19	-18	-12	+ 4	+20	+29	+26	+20	+10	0	- 3	- 5	- 8	- 9	-10	-10	- 9	- 3	- 1	+ 4	+ 4	+ 2	0	-10	9.8
OCT	II	-15	-10	+ 1	+19	+36	+42	+37	+23	+10	- 4	- 9	-18	-21	-25	-24	-22	- 7	- 4	+ 1	+ 1	+ 2	- 1	- 4	-11	14.4
NOV	I	- 2	+ 9	+21	+32	+36	+37	+30	+16	+ 2	- 6	-13	-24	-28	-24	-23	-21	-11	- 4	- 8	- 6	- 1	0	- 5	- 6	15.2
DEC	I	-11	- 2	+11	+22	+30	+39	+39	+33	+18	+ 5	- 6	-14	-23	-22	-23	-22	-25	-23	-16	+ 9	+ 3	- 2	- 8	-12	17.5
MEANS	I	-14.5	- 2.4	+19.0	+36.4	+43.6	+43.8	+35.5	+20.2	+ 7.2	- 3.0	-10.3	-15.5	-19.5	-19.2	-18.9	-19.0	-18.6	-15.0	-13.0	- 1.4	- 2.1	- 6.4	-11.9	-15.2	17.2
	II	-13.6	-12.0	- 1.9	+17.7	+34.2	+40.1	+33.7	+21.5	+ 9.3	- 4.8	-12.5	-17.9	-23.0	-22.2	-20.9	-14.4	- 7.8	- 2.0	+ 1.2	+ 3.1	+ 2.2	+ 0.8	+ 2.0	-12.6	13.8
	III	+ 1.3	- 0.9	+ 5.4	+14.8	+22.0	+23.0	+21.1	+14.7	+ 2.7	- 9.4	-16.5	-20.8	-22.5	-21.6	-18.1	-15.0	- 9.1	- 3.8	- 0.9	+ 2.5	+ 8.6	+ 8.9	+ 8.2	+ 5.7	11.6
	YEAR	- 8.9	- 5.1	+ 7.5	+23.0	+33.3	+35.6	+30.1	+18.8	+ 6.4	+ 5.7	-13.1	-18.1	-21.7	-21.0	-19.3	-16.1	-11.9	- 7.0	- 4.2	+ 1.4	+ 2.9	+ 1.1	- 0.6	- 7.4	13.3

TABLE 367

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+11	+ 8	+ 7	+ 7	+ 8	+13	+21	+24	+20	+ 3	-26	-44	-48	-42	-28	-12	+ 1	+ 9	+11	+11	+11	+11	+11	+12	16.7
FEB	I	+13	+11	+ 8	+ 6	+ 5	+ 9	+18	+29	+31	+17	- 8	-34	-54	-59	-45	-25	- 7	+ 6	+11	+11	+14	+16	+17	+14	19.6
MAR	II	+11	+ 9	+ 8	+ 7	+ 8	+ 9	+14	+23	+23	+13	- 8	-32	-47	-48	-39	-24	- 7	+ 5	+10	+10	+14	+14	+14	+12	17.1
APR	II	+ 8	+ 6	+ 6	+ 5	+ 6	+ 5	+ 4	+13	+15	+ 9	- 4	-19	-32	-34	-28	-19	- 6	+ 3	+ 8	+10	+12	+12	+11	+10	11.8
MAY	III	+ 5	+ 4	+ 4	+ 3	+ 2	+ 2	+ 3	+ 6	+10	+10	+ 1	-12	-20	-24	-23	-17	- 6	+ 3	+ 5	+ 8	+10	+10	+ 8	+ 8	8.5
JUN	III	+ 4	+ 3	+ 2	+ 2	+ 2	+ 2	+ 2	+ 3	+ 8	+11	+ 6	- 4	-15	-22	-23	-17	- 6	+ 2	+ 5	+ 6	+ 8	+ 8	+ 8	+ 6	7.2
JUL	III	+ 5	+ 3	+ 2	+ 1	+ 1	+ 2	+ 2	+ 3	+ 9	+13	+ 9	- 2	-13	-21	-24	-20	- 8	0	+ 4	+ 6	+ 7	+ 8	+ 9	+ 7	7.4
AUG	III	+ 7	+ 5	+ 4	+ 3	+ 3	+ 4	+ 5	+ 9	+20	+24	+18	+ 1	-22	-36	-39	-32	-16	- 3	+ 3	+ 7	+ 9	+ 9	+ 9	+ 8	12.4
SEP	II	+ 8	+ 6	+ 4	+ 3	+ 3	+ 4	+ 6	+16	+23	+20	+10	- 8	-27	-38	-37	-26	-13	- 1	+ 4	+ 6	+ 8	+10	+10	+10	12.5
OCT	II	+ 8	+ 6	+ 4	+ 2	+ 3	+ 7	+13	+20	+21	+14	- 2	-23	-41	-46	-41	-26	- 6	+ 6	+11	+12	+15	+15	+14	+12	15.4
NOV	I	+ 5	+ 4	+ 4	+ 3	+ 4	+ 8	+14	+18	+16	+10	- 5	-22	-32	-35	-29	-16	- 4	+ 3	+ 7	+ 8	+11	+12	+11	+ 8	12.0
DEC	I	+ 8	+ 6	+ 3	0	+ 2	+ 6	+10	+12	+12	+ 6	- 6	-16	-22	-26	-24	-16	- 6	+ 1	+ 4	+ 6	+ 9	+10	+10	+ 9	9.7
MEANS	I	+ 9.0	+ 7.2	+ 5.7	+ 3.8	+ 4.7	+ 9.1	+15.8	+20.8	+20.0	+ 8.9	-11.3	-29.4	-39.2	-40.4	-31.5	-17.3	- 3.9	+ 4.9	+ 8.1	+ 9.0	+11.3	+12.1	+12.3	+10.8	14.4
	II	+ 8.8	+ 6.8	+ 5.6	+ 4.4	+ 5.0	+ 6.3	+ 9.4	+17.8	+20.6	+14.2	- 1.1	-20.4	-36.7	-41.5	-36.0	-23.6	- 8.2	+ 3.3	+ 8.0	+ 9.5	+12.1	+12.6	+12.4	+11.1	14.0
	III	+ 5.2	+ 3.6	+ 2.8	+ 2.0	+ 1.9	+ 2.5	+ 2.9	+ 5.3	+12.0	+14.2	+ 8.6	- 4.0	-17.4	-25.5	-27.4	-21.7	- 9.2	+ 0.4	+ 4.3	+ 6.6	+ 8.3	+ 9.0	+ 8.5	+ 7.4	8.8
	YEAR	+ 7.7	+ 5.9	+ 4.7	+ 3.4	+ 3.9	+ 6.0	+ 9.4	+14.6	+17.5	+12.5	- 1.3	-18.0	-31.1	-35.8	-31.6	-20.9	- 7.1	+ 2.8	+ 6.8	+ 8.4	+10.6	+11.2	+11.1	+ 9.8	12.2

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 9	+ 7	+ 7	+ 6	+ 8	+13	+20	+24	+20	+ 6	-19	-38	-45	-41	-28	-12	0	+ 7	+ 8	+ 8	+ 9	+10	+10	+10	15.3
FEB	I	+11	+ 9	+ 8	+ 7	+ 8	+14	+24	+36	+38	+21	- 8	-40	-67	-70	-52	-28	- 6	+ 9	+12	+14	+14	+15	+15	+14	22.5
MAR	II	+10	+ 8	+ 7	+ 6	+ 8	+ 8	+15	+23	+23	+12	-10	-31	-42	-43	-34	-21	- 6	+ 6	+ 9	+ 9	+10	+10	+11	+12	15.6
APR	II	+ 7	+ 5	+ 4	+ 4	+ 4	+ 5	+ 8	+16	+16	+ 9	- 3	-16	-27	-31	-26	-17	- 7	0	+ 4	+ 7	+ 9	+ 9	+ 9	+ 8	10.6
MAY	III	+ 3	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+10	+12	+10	+ 1	-12	-20	-25	-24	-17	- 6	+ 3	+ 6	+ 7	+ 8	+ 8	+ 8	+ 7	8.7
JUN	III	+ 4	+ 2	+ 2	+ 1	+ 2	+ 3	+ 4	+ 5	+ 9	+11	+ 7	- 3	-13	-21	-23	-18	- 6	+ 1	+ 4	+ 5	+ 6	+ 7	+ 6	+ 4	7.0
JUL	III	+ 4	+ 3	+ 2	+ 1	+ 2	+ 2	+ 2	+ 4	+10	+13	+10	- 1	-12	-20	-25	-21	- 9	+ 1	+ 3	+ 5	+ 6	+ 7	+ 6	+ 5	7.3
AUG	III	+ 7	+ 5	+ 5	+ 4	+ 4	+ 4	+ 5	+11	+23	+29	+22	+ 3	-24	-40	-42	-34	-17	- 3	+ 2	+ 5	+ 8	+ 9	+ 9	+ 9	13.5
SEP	II	+ 9	+ 6	+ 4	+ 3	+ 3	+ 3	+ 6	+15	+23	+20	+ 8	-10	-28	-37	-37	-26	-12	0	+ 4	+ 6	+ 9	+10	+10	+ 9	12.6
OCT	II	+ 5	+ 4	+ 3	+ 2	+ 4	+ 7	+16	+24	+26	+18	0	-22	-38	-44	-38	-23	- 5	+ 6	+ 9	+ 9	+10	+10	+10	+ 9	14.2
NOV	I	+ 4	+ 3	+ 3	+ 2	+ 5	+ 9	+13	+17	+14	+ 9	- 3	-18	-29	-33	-26	-13	- 2	+ 4	+ 6	+ 6	+ 7	+ 8	+ 9	+ 7	10.4
DEC	I	+ 4	+ 3	+ 3	+ 3	+ 6	+11	+15	+15	+11	+ 5	- 8	-19	-22	-23	-21	-14	- 5	+ 1	+ 3	+ 4	+ 6	+ 7	+ 7	+ 6	9.2
MEANS	I	+ 7.0	+ 5.6	+ 5.0	+ 4.8	+ 6.7	+11.6	+18.1	+23.0	+20.9	+10.4	- 9.6	-28.6	-40.8	-41.6	-31.6	-16.7	- 3.2	+ 5.1	+ 7.4	+ 8.0	+ 9.0	+ 9.9	+10.4	+ 9.0	14.3
	II	+ 7.6	+ 6.0	+ 4.4	+ 3.7	+ 4.5	+ 6.1	+11.4	+19.5	+22.0	+14.8	- 1.2	-19.7	-33.9	-38.8	-33.8	-21.9	- 7.5	+ 2.8	+ 6.6	+ 8.1	+ 9.5	+10.0	+ 9.9	+ 9.6	13.1
	III	+ 4.4	+ 2.9	+ 2.5	+ 2.4	+ 3.1	+ 3.5	+ 4.0	+ 7.5	+13.7	+15.8	+ 9.8	- 3.2	-17.4	-26.4	-28.6	-22.4	- 9.5	+ 0.4	+ 3.6	+ 5.4	+ 7.0	+ 7.5	+ 7.4	+ 6.6	9.0
	YEAR	+ 6.3	+ 4.8	+ 4.0	+ 3.6	+ 4.8	+ 7.1	+11.2	+16.7	+18.9	+13.7	- 0.3	-17.2	-30.7	-35.6	-31.3	-20.3	- 6.7	+ 2.8	+ 5.9	+ 7.2	+ 8.5	+ 9.2	+ 9.2	+ 8.4	11.8

TABLE 367--CONCLUDED

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1937

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+21	+ 5	-20	-37	-43	-39	-28	-14	- 1	+ 7	+ 8	+ 8	+ 9	+10	+10	+ 9	+ 8	+ 5	+ 5	+ 4	+ 6	+14	+24	+29	15.1
FEB	I	+41	+25	- 2	-38	-76	-84	-64	-35	- 9	+ 8	+14	+15	+16	+17	+16	+14	+13	+12	+11	+10	+12	+16	+26	+40	25.7
MAR	II	+27	+16	-10	-35	-48	-48	-38	-24	- 8	+ 4	+ 9	+10	+10	+10	+11	+10	+10	+ 9	+ 9	+ 9	+10	+12	+18	+26	17.7
APR	II	+18	+10	- 6	-22	-32	-31	-24	-14	- 4	+ 1	+ 5	+ 8	+ 8	+ 8	+ 8	+ 7	+ 6	+ 4	+ 3	+ 4	+ 5	+ 7	+11	+19	11.2
MAY	III	+12	+ 8	- 3	-17	-24	-29	-28	-18	- 4	+ 4	+ 7	+ 8	+ 8	+ 8	+ 8	+ 8	+ 6	+ 5	+ 5	+ 6	+ 7	+ 7	+ 8	+11	10.4
JUN	III	+ 6	+10	+ 7	- 5	-16	-22	-24	-17	- 6	+ 2	+ 5	+ 6	+ 8	+ 8	+ 7	+ 5	+ 4	+ 2	+ 3	+ 2	+ 3	+ 3	+ 4	+ 4	7.4
JUL	III	+12	+17	+12	+ 1	-12	-20	-26	-23	-10	0	+ 3	+ 4	+ 6	+ 7	+ 6	+ 6	+ 3	+ 2	+ 1	+ 1	+ 1	+ 2	+ 2	+ 4	7.6
AUG	III	+22	+25	+16	- 3	-30	-42	-42	-34	-16	- 2	+ 2	+ 5	+ 8	+10	+ 9	+ 9	+ 8	+ 7	+ 6	+ 6	+ 6	+ 7	+ 8	+14	14.1
SEP	II	+22	+17	+ 1	-19	-33	-36	-33	-22	-10	- 1	+ 3	+ 4	+ 6	+ 6	+ 7	+ 8	+10	+13	+ 9	+ 5	+ 7	+ 5	+10	+21	12.8
OCT	II	+25	+17	0	-21	-37	-41	-34	-21	- 5	+ 5	+ 7	+ 6	+ 6	+ 7	+ 8	+ 6	+ 3	+ 3	+ 2	+ 3	+ 6	+ 9	+18	+27	13.3
NOV	I	+24	+16	- 5	-30	-44	-48	-39	-20	- 4	+ 5	+ 9	+ 9	+10	+10	+10	+ 9	+ 7	+ 5	+ 4	+ 5	+ 7	+13	+21	+27	15.9
DEC	I	+10	+ 5	- 7	-19	-22	-26	-25	-17	- 8	0	+ 2	+ 2	+ 4	+ 6	+ 8	+ 8	+ 7	+ 6	+ 6	+ 5	+ 8	+12	+18	+18	10.3
MEANS	I	+24.0	+12.6	- 8.7	-31.1	-46.4	-49.3	-38.9	-21.6	- 5.3	+ 5.1	+ 8.3	+ 8.7	+ 9.9	+10.7	+11.0	+10.1	+ 8.6	+ 7.1	+ 6.4	+ 6.3	+ 8.2	+13.8	+22.2	+28.4	16.8
	II	+23.3	+15.3	- 3.8	-24.4	-37.7	-39.3	-32.5	-20.1	- 7.0	+ 2.4	+ 6.0	+ 6.9	+ 7.7	+ 8.0	+ 8.3	+ 8.0	+ 7.3	+ 7.4	+ 5.7	+ 5.2	+ 6.8	+ 8.6	+14.2	+23.0	13.7
	III	+13.0	+15.0	+ 8.2	- 5.9	-20.4	-28.5	-30.1	-23.0	- 9.1	+ 0.8	+ 4.3	+ 5.8	+ 7.7	+ 8.0	+ 7.6	+ 6.9	+ 5.2	+ 4.1	+ 3.8	+ 3.8	+ 4.2	+ 4.8	+ 5.4	+ 8.5	9.8
	YEAR	+20.1	+14.3	- 1.4	-20.5	-34.8	-39.0	-33.8	-21.6	- 7.1	+ 2.8	+ 6.2	+ 7.2	+ 8.4	+ 8.9	+ 8.9	+ 8.4	+ 7.0	+ 6.2	+ 5.3	+ 5.1	+ 6.4	+ 9.1	+14.0	+20.0	13.2

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+16	- 3	-37	-57	-54	-40	-23	- 2	+12	+17	+13	+14	+10	+12	+10	+15	+13	+10	+ 8	+ 5	+ 8	+11	+21	+19	18.0
FEB	I	+31	+13	- 8	-29	-41	-47	-39	-24	-13	- 1	+ 6	+10	+14	+15	+17	+14	+17	+16	+11	+ 2	- 1	+ 6	+10	+19	17.0
MAR	II	+26	+18	0	-26	-46	-53	-45	-28	-13	+ 5	+12	+10	+26	+23	+23	+11	+ 8	+ 7	+ 6	+ 5	+ 5	+ 2	+ 6	+16	17.5
APR	II	+ 7	+ 8	- 2	-22	-37	-37	-30	-25	- 5	+ 8	+18	+17	+20	+17	+13	+10	+10	+ 5	+ 5	+ 8	+13	+ 8	-14	+ 6	14.5
MAY	III	+ 4	+ 4	- 5	-13	-16	-16	-15	-10	- 5	+ 5	+ 6	+10	+11	+14	+10	+10	+ 4	+ 4	+ 8	+ 5	- 3	- 4	- 4	- 2	7.8
JUN	III	+10	+13	+ 6	- 3	-16	-24	-23	-12	- 3	+ 4	+ 5	+ 4	+10	+13	+10	+11	+ 8	+ 5	+ 2	0	- 4	- 5	- 6	- 4	8.3
JUL	III	+12	+14	+10	- 5	-18	-25	-29	-22	- 6	- 3	+ 5	+11	+11	+15	+12	+ 9	+ 6	+ 4	+ 2	+ 2	- 2	- 3	- 1	+ 2	9.5
AUG	III	+20	+18	+11	- 5	-25	-33	-34	-31	-18	- 4	+10	+20	+18	+12	+14	+11	+ 6	0	- 2	- 3	0	+ 4	+ 6	+ 6	13.0
SEP	II	+24	+19	+14	- 2	-20	-21	-30	-22	-13	- 3	+ 2	+ 5	+ 8	+10	+12	+12	+10	+ 5	+ 2	- 4	- 4	- 2	- 1	+ 8	11.0
OCT	II	+20	+13	- 1	-22	-41	-48	-47	-33	-16	+ 3	+11	+18	+22	+24	+23	+17	+ 9	+ 6	+ 4	+ 3	+ 2	+ 5	+ 9	+18	17.2
NOV	I	+ 6	- 4	-14	-24	-26	-27	-24	-14	- 4	+ 1	+ 9	+19	+20	+19	+18	+14	+ 8	+ 4	+ 7	+ 3	- 2	0	+ 5	+ 5	11.6
DEC	I	+13	+ 4	-12	-24	-32	-36	-33	-24	-10	+ 2	+ 8	+11	+18	+16	+17	+15	+21	+20	+10	- 5	- 2	+ 3	+ 8	+12	14.8
MEANS	I	+16.3	+ 2.6	-17.8	-33.4	-38.3	-37.8	-29.8	-15.7	- 3.6	+ 4.9	+ 9.3	+13.7	+15.6	+15.5	+15.5	+14.6	+14.7	+12.7	+ 9.1	+ 1.3	+ 0.7	+ 5.0	+11.0	+13.8	14.7
	II	+19.3	+14.5	+ 2.9	-17.8	-36.1	-42.2	-28.2	-27.1	-11.6	+ 3.2	+10.7	+12.5	+18.9	+18.6	+17.8	+12.7	+ 9.1	+ 5.8	+ 4.5	+ 3.0	+ 4.1	+ 3.3	+ 0.1	+12.0	14.4
	III	+11.3	+12.0	+ 5.8	- 6.6	-18.6	-24.5	-25.2	-18.9	- 8.2	+ 0.6	+ 6.3	+11.1	+12.6	+13.5	+11.5	+10.3	+ 5.9	+ 3.1	+ 2.6	+ 0.9	- 2.3	- 1.7	- 1.5	+ 0.4	9.0
	YEAR	+15.6	+ 9.7	- 3.1	-19.3	-31.0	-34.8	-31.0	-20.6	- 7.8	+ 2.9	+ 8.8	+12.4	+15.7	+15.8	+14.9	+12.5	+ 9.9	+ 7.2	+ 5.4	+ 1.7	+ 0.8	+ 2.2	+ 3.2	+ 8.7	12.3

TABLE 368

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-16	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	-0.9	-0.4	-0.3	-0.2	-0.6	-1.6	-2.9	-4.2	-5.4	-5.2	-3.6	-0.8	+1.7	+3.9	+5.5	+5.3	+4.0	+2.8	+1.5	+1.1	+0.8	0.0	-0.1	-0.6	2.22
FEB	I	-0.8	-0.6	-0.3	-0.3	-0.4	-1.1	-3.0	-5.4	-6.8	-6.4	-4.3	-1.0	+2.4	+4.7	+6.1	+5.7	+4.5	+2.7	+1.9	+1.5	+0.9	+0.3	-0.1	-0.2	2.56
MAR	II	-0.3	-0.5	-0.6	-0.2	+0.1	-0.1	-1.0	-2.6	-4.0	-4.8	-4.1	-2.5	0.0	+2.1	+3.6	+4.1	+3.7	+2.4	+1.8	+1.4	+0.9	+0.5	+0.1	0.0	1.73
APR	II	-0.4	-0.2	-0.1	+0.2	-0.1	-0.1	-0.9	-2.2	-3.7	-4.4	-3.8	-2.1	+0.3	+2.3	+3.3	+3.6	+3.6	+2.5	+1.6	+1.2	+0.5	-0.1	-0.4	-0.3	1.59
MAY	III	-0.6	-0.5	-0.4	-0.2	-0.1	0.0	0.0	0.0	-1.6	-3.1	-3.2	-2.1	-0.4	+1.2	+2.5	+3.4	+3.1	+1.9	+1.3	+0.7	+0.1	-0.4	-0.8	-0.7	1.19
JUN[a]	III	-0.5	-0.4	-0.1	+0.2	+0.2	+0.3	+0.3	+0.4	-0.2	-1.2	-1.8	-1.5	-0.5	+0.4	+1.4	+2.1	+1.8	+1.0	+0.4	0.0	-0.3	-0.5	-0.7	-0.8	0.71
JUL	III	-0.8	-0.5	-0.6	-0.4	-0.4	-0.1	+0.2	+0.7	-0.5	-1.8	-2.7	-2.4	-1.3	+0.2	+1.8	+3.1	+3.1	+1.8	+1.3	+0.9	+0.2	-0.4	-0.7	-0.7	1.10
AUG	III	-0.6	-0.6	-0.4	-0.2	0.0	+0.4	+1.0	+0.6	-1.1	-3.0	-3.9	-3.4	-2.1	-0.1	+2.0	+3.6	+3.6	+2.4	+1.6	+1.1	+0.4	-0.1	-0.5	-0.7	1.39
SEP	II	-1.0	-0.7	-0.5	-0.4	+0.1	+0.2	-0.1	-1.5	-3.7	-4.9	-4.5	-2.7	0.0	+2.3	+3.8	+4.4	+3.4	+2.6	+2.0	+1.4	+0.9	+0.1	-0.5	-0.6	1.76
OCT	II	-0.5	-0.3	-0.2	+0.2	+0.2	-0.3	-1.6	-3.5	-5.3	-6.4	-5.5	-2.8	+1.1	+4.2	+5.5	+5.2	+4.0	+2.7	+2.0	+1.4	+0.4	0.0	-0.2	-0.7	2.26
NOV	I	-0.4	-0.4	-0.1	0.0	-0.1	-1.0	-2.5	-4.1	-5.4	-5.7	-4.6	-2.2	+1.0	+3.6	+5.1	+5.2	+4.2	+3.1	+1.8	+1.3	+0.9	+0.5	-0.2	-0.1	2.23
DEC	I	-0.5	-1.0	-1.0	-0.9	-0.8	-1.3	-2.2	-3.4	-4.5	-5.0	-4.1	-1.9	+0.6	+2.7	+4.4	+4.8	+4.0	+3.2	+2.5	+1.8	+1.6	+1.0	+0.3	-0.2	2.23
MEANS	I	-0.7	-0.6	-0.4	-0.4	-0.5	-1.2	-2.6	-4.3	-5.5	-5.6	-4.2	-1.5	+1.4	+3.7	+5.3	+5.3	+4.2	+3.0	+1.9	+1.4	+1.0	+0.4	0.0	-0.3	2.31
	II	-0.6	-0.4	-0.3	-0.1	+0.1	-0.1	-0.9	-2.5	-4.2	-5.1	-4.5	-2.5	+0.3	+2.7	+4.0	+4.3	+3.7	+2.6	+1.8	+1.4	+0.7	+0.1	-0.2	-0.4	1.81
	III	-0.6	-0.5	-0.4	-0.2	-0.1	+0.2	+0.4	+0.4	-0.8	-2.3	-2.9	-2.4	-1.1	+0.4	+1.9	+3.0	+2.9	+1.8	+1.2	+0.6	+0.1	-0.4	-0.7	-0.7	1.08
	YEAR	-0.6	-0.5	-0.4	-0.2	-0.2	-0.4	-1.1	-2.1	-3.5	-4.3	-3.8	-2.1	+0.2	+2.3	+3.8	+4.2	+3.6	+2.4	+1.6	+1.2	+0.6	+0.1	-0.3	-0.5	1.66

[a]Twenty-nine days only--June 1-14, 16-30.

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	-0.7	-0.1	0.0	0.0	-0.3	-1.4	-3.1	-4.6	-5.6	-5.2	-3.5	-0.7	+1.8	+3.7	+5.3	+5.0	+3.6	+2.2	+1.4	+1.4	+1.2	+0.4	-0.4	-0.2	2.17
FEB	I	-0.2	-0.1	-0.4	-0.4	-0.7	-1.4	-3.1	-5.6	-7.5	-7.6	-5.5	-1.7	+2.3	+5.1	+6.5	+6.5	+5.0	+2.7	+1.5	+1.3	+1.4	+1.0	+0.6	+0.4	1.60
MAR	II	-0.1	-0.3	-0.5	-0.4	-0.4	-0.6	-1.4	-2.8	-4.3	-4.9	-4.4	-2.8	-0.3	+1.7	+3.2	+4.0	+3.9	+2.9	+2.0	+1.7	+1.3	+1.1	+0.8	+0.6	1.93
APR	II	-0.2	0.0	+0.1	+0.1	+0.1	-0.2	-0.8	-2.0	-3.6	-4.4	-4.0	-2.3	+0.2	+1.9	+3.0	+3.3	+2.8	+1.9	+1.5	+1.1	+0.8	+0.4	+0.1	0.0	1.45
MAY	III	-0.2	-0.1	+0.1	+0.1	+0.1	-0.1	-0.2	-0.6	-1.9	-3.1	-3.3	-2.2	-0.3	+1.1	+2.0	+2.9	+2.6	+1.5	+0.9	+0.6	+0.3	0.0	-0.2	-0.1	1.01
JUN	III	-0.2	0.0	+0.1	+0.2	+0.1	+0.1	+0.2	+0.4	-0.1	-1.3	-2.1	-1.8	-0.8	+0.2	+1.4	+2.0	+1.6	+0.9	+0.4	+0.1	-0.2	-0.3	-0.5	-0.6	0.66
JUL	III	-0.6	-0.4	-0.2	0.0	+0.1	+0.2	+0.3	+0.4	-0.5	-1.8	-2.9	-2.7	-1.6	-0.1	+1.5	+2.6	+2.6	+1.5	+0.9	+0.7	+0.4	0.0	-0.1	-0.2	0.94
AUG	III	-0.2	-0.2	-0.1	+0.2	+0.2	+0.4	+0.5	+0.1	-1.7	-3.6	-4.3	-3.7	-2.1	+0.4	+2.6	+3.7	+3.3	+2.0	+1.0	+0.9	+0.6	+0.3	0.0	-0.1	1.33
SEP	II	-0.4	-0.2	0.0	+0.1	+0.2	+0.1	-0.4	-1.8	-4.0	-5.3	-4.9	-3.1	-0.2	+2.2	+3.6	+4.0	+3.1	+2.3	+1.7	+1.4	+1.0	+0.4	+0.2	-0.1	1.70
OCT	II	+0.1	+0.4	+0.4	+0.5	+0.2	-0.5	-1.9	-4.1	-6.3	-7.3	-6.5	-3.4	+0.9	+4.1	+5.5	+5.3	+3.9	+2.5	+1.8	+1.6	+1.0	+0.9	+0.6	+0.2	2.50
NOV	I	0.0	+0.1	+0.2	+0.2	+0.1	-0.8	-2.4	-4.3	-5.8	-6.4	-5.5	-3.1	+0.3	+3.6	+5.4	+5.5	+4.4	+3.0	+1.8	+1.5	+1.1	+0.8	+0.3	0.0	2.36
DEC	I	-0.2	-0.2	-0.1	-0.3	-0.5	-1.1	-1.7	-2.7	-3.9	-4.5	-4.0	-2.3	-0.2	+1.7	+2.9	+3.3	+3.2	+2.6	+2.2	+2.0	+1.6	+1.2	+0.6	+0.3	1.79
MEANS	I	-0.3	-0.1	-0.1	-0.1	-0.3	-1.2	-2.6	-4.3	-5.7	-5.9	-4.6	-2.0	+1.0	+3.5	+5.0	+5.1	+4.0	+2.6	+1.7	+1.5	+1.3	+0.9	+0.3	+0.1	2.26
	II	-0.1	0.0	0.0	+0.1	0.0	-0.3	-1.1	-2.7	-4.6	-6.6	-4.9	-2.9	+0.1	+2.5	+3.8	+4.2	+3.4	+2.4	+1.8	+1.4	+1.0	+0.7	+0.4	+0.2	1.84
	III	-0.3	-0.2	0.0	+0.1	+0.1	+0.1	+0.2	+0.1	-1.1	-2.5	-3.1	-2.6	-1.2	+0.4	+1.9	+2.8	+2.5	+1.5	+0.8	+0.6	+0.2	0.0	-0.2	-0.2	0.95
	YEAR	-0.2	-0.1	0.0	0.0	-0.1	-0.4	-1.2	-2.3	-3.8	-4.6	-4.2	-2.5	0.0	+2.1	+3.6	+4.0	+3.3	+2.2	+1.4	+1.2	+0.9	+0.5	+0.2	0.0	1.62

TABLE 368--CONCLUDED

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	-5.2	-4.9	-3.6	-1.4	+0.7	+3.1	+5.3	+5.5	+4.1	+2.4	+1.5	+1.4	+1.1	+0.3	-0.2	0.0	-0.2	-0.1	0.0	+0.1	-0.5	-1.7	-3.0	-4.6	2.13
FEB	I	-7.8	-7.7	-5.6	-2.0	+2.1	+5.2	+6.6	+6.4	+4.7	+2.5	+1.3	+1.4	+1.2	+1.0	+0.8	+0.4	+0.3	+0.1	-0.1	-0.3	-0.6	-1.3	-2.9	-5.5	2.82
MAR	II	-5.0	-5.8	-5.2	-3.3	-0.4	+1.9	+3.5	+4.2	+4.0	+2.9	+2.0	+1.7	+1.2	+1.0	+0.8	+0.6	+0.4	+0.2	0.0	-0.1	-0.3	-0.6	-1.3	-2.5	2.04
APR	II	-3.5	-4.5	-4.3	-2.8	-0.4	+1.6	+3.0	+3.4	+3.0	+2.0	+1.5	+1.2	+0.8	+0.6	+0.4	+0.2	+0.1	+0.2	+0.2	+0.1	0.0	-0.3	-0.5	-1.8	1.52
MAY	III	-2.0	-3.1	-3.2	-2.2	-0.5	+1.0	+1.8	+2.8	+2.5	+1.5	+0.9	+0.6	+0.3	0.0	-0.2	0.0	+0.1	+0.2	+0.2	+0.1	-0.1	0.0	-0.4	-0.5	1.01
JUN[a]	III	+0.1	-1.4	-2.2	-2.0	-0.9	-0.2	+1.1	+1.8	+1.4	+0.8	+0.5	+0.3	0.0	-0.1	-0.2	-0.2	-0.2	0.0	0.0	+0.3	+0.1	+0.2	+0.3	+0.5	0.61
JUL	III	-0.3	-1.8	-3.0	-3.0	-1.9	-0.6	+0.8	+2.0	+2.5	+1.5	+0.9	+0.7	+0.4	0.0	-0.1	-0.2	-0.1	0.0	+0.1	+0.2	+0.4	+0.4	+0.4	+0.5	0.92
AUG	III	-1.6	-3.6	-4.6	-4.1	-2.5	+0.1	+2.4	+3.7	+3.2	+1.7	+0.8	+0.8	+0.6	+0.3	+0.2	+0.1	0.0	+0.2	+0.3	+0.4	+0.4	+0.5	+0.6	+0.1	1.36
SEP	II	-4.6	-6.0	-5.5	-3.5	-0.3	+2.4	+3.9	+4.1	+3.0	+2.3	+1.8	+1.5	+1.1	+0.7	+0.4	+0.1	+0.1	+0.1	+0.2	+0.2	+0.3	+0.3	-0.3	-2.2	1.87
OCT	II	-6.4	-7.6	-6.7	-3.0	+1.6	+4.8	+6.0	+5.5	+3.9	+2.4	+1.8	+1.4	+0.5	+0.6	+0.5	+0.3	+0.1	+0.1	+0.1	+0.1	0.0	-0.5	-1.8	-3.7	2.48
NOV	1	-5.5	-6.0	-5.3	-2.8	+0.6	+3.8	+5.5	+5.3	+4.0	+2.4	+1.4	+1.1	+1.0	+0.7	+0.3	+0.4	+0.3	+0.3	+0.2	+0.1	-0.2	-1.0	-2.4	-4.2	2.29
DEC	1	-3.7	-4.1	-3.5	-1.9	+0.2	+2.2	+3.5	+3.7	+3.4	+2.6	+2.0	+1.8	+1.5	+1.2	+0.8	+0.4	+0.1	-0.1	-0.2	-0.4	-0.9	-1.8	-2.7	-4.0	1.95
MEANS	1	-5.5	-5.7	-4.5	-2.0	+0.9	+3.6	+5.2	+5.2	+4.0	+2.5	+1.5	+1.4	+1.2	+0.8	+0.4	+0.3	+0.1	0.0	0.0	-0.1	-0.6	-1.4	-2.7	-4.6	2.27
	II	-4.9	-6.0	-5.4	-3.2	+0.1	+2.7	+4.1	+4.3	+3.5	+2.4	+1.8	+1.4	+0.9	+0.7	+0.5	+0.3	+0.2	+0.2	+0.1	+0.1	0.0	-0.3	-1.0	-2.5	1.94
	III	-0.9	-2.5	-3.2	-2.8	-1.5	0.0	+1.5	+2.5	+2.4	+1.4	+0.8	+0.6	+0.3	0.0	0.0	-0.1	0.0	+0.1	+0.2	+0.2	+0.2	+0.3	+0.2	+0.2	0.92
	YEAR	-3.8	-4.7	-4.4	-2.7	-0.2	+2.1	+3.6	+4.0	+3.3	+2.1	+1.4	+1.2	+0.8	+0.5	+0.3	+0.2	+0.1	+0.1	+0.1	+0.1	-0.1	-0.5	-1.2	-2.3	1.65

[a] Four days only--June 4, 23, 27, and 28

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	-6.1	-4.7	-2.8	+0.3	+3.1	+5.0	+7.4	+6.3	+6.2	+5.4	+2.1	+1.6	+0.4	+0.3	+1.9	-0.4	-2.3	-0.9	-1.9	-2.8	-2.5	-3.8	-5.3	-6.5	3.34
FEB	I	-7.0	-6.4	-4.4	-1.0	+3.4	+5.6	+8.3	+7.3	+5.5	+3.7	+2.9	+1.9	0.0	-0.2	-0.3	-0.4	-3.0	-2.1	-1.7	-1.4	-0.8	-1.1	-3.2	-5.5	3.22
MAR	II	-1.1	-2.9	-2.3	-1.1	+1.1	+2.9	+4.5	+4.4	+3.6	+0.2	+1.0	+1.5	0.0	-1.7	-2.0	-2.0	-1.8	-2.0	-2.3	-0.3	+1.1	+0.5	+0.1	-1.3	1.73
APR	II	-3.0	-4.2	-3.6	-1.9	+0.4	+2.5	+3.2	+3.6	+5.7	+3.2	+1.9	+0.9	-0.5	-0.6	-1.4	-0.7	-1.3	-0.6	-0.4	-0.2	-0.6	+0.3	-0.4	-2.2	1.81
MAY	III	-1.8	-3.2	-2.2	-1.2	+0.4	+1.9	+3.7	+4.7	+4.9	+3.4	+2.5	+0.5	-0.2	-1.3	-3.0	-2.4	-2.1	-2.1	-2.7	-1.6	-0.9	+0.1	+0.5	+1.9	2.05
JUN	III	+0.4	-0.3	-0.7	-0.5	+0.1	+1.0	+1.4	+1.7	+1.6	+0.7	0.0	-1.2	-1.1	-1.0	-1.3	-1.5	-1.2	-1.1	-0.6	+0.5	+1.0	+1.2	+0.6	+0.3	0.88
JUL	III	+0.2	-1.1	-1.8	-1.6	-0.2	+1.3	+3.0	+4.8	+5.0	+2.7	+2.8	+2.3	0.0	-1.5	-1.9	-1.9	-2.3	-1.2	-2.3	-2.6	-2.6	-0.9	-0.6	+0.2	1.88
AUG	III	-1.0	-2.3	-3.5	-3.5	-2.4	-0.4	+2.2	+4.4	+4.8	+3.7	+3.3	+1.2	-0.7	-1.5	-2.5	-2.8	-2.0	-1.4	-0.7	-0.8	-0.2	+1.1	+3.5	+1.8	2.15
SEP	II	-3.0	-4.8	-4.5	-2.0	+0.6	+2.7	+4.8	+6.4	+4.2	+3.4	+2.7	+1.3	+0.7	-1.2	-1.8	-2.1	-3.5	-2.6	-3.1	-1.5	+0.8	+0.6	+1.6	0.0	2.51
OCT	II	-3.4	-4.5	-3.9	-2.1	+1.1	+4.3	+5.4	+5.3	+4.9	+3.5	+2.2	+1.7	+0.2	-1.5	-1.6	-2.5	-2.2	-1.7	-1.5	-0.2	+0.8	+0.2	+1.0	+3.3	2.46
NOV	I	-4.4	-4.9	-3.5	-0.6	+2.7	+5.0	+6.0	+6.1	+5.4	+4.3	+2.3	+0.7	-0.5	-0.9	-2.5	-1.0	-2.1	-1.5	-1.0	-0.3	+0.1	-1.2	-3.5	-4.7	2.72
DEC	I	-4.3	-4.7	-3.1	-0.4	+2.1	+4.1	+5.7	+6.4	+5.6	+4.8	+3.7	+2.5	+2.3	+1.2	-0.1	-1.4	-1.8	-3.3	-3.7	-4.4	-1.7	-1.9	-3.3	-4.3	3.20
MEANS	I	-5.5	-5.2	-3.5	-0.4	+2.8	+4.9	+5.9	+6.5	+5.5	+4.6	+2.8	+1.7	+0.5	+0.1	-0.2	-0.8	-2.3	-2.0	-2.1	-2.2	-1.2	-2.0	-3.8	-5.3	3.04
	II	-2.6	-4.1	-3.6	-1.8	+0.9	+3.1	+4.5	+4.9	+4.6	+2.6	+1.9	+1.3	+0.1	-1.3	-1.7	-1.8	-2.2	-1.7	-1.8	-0.5	+0.5	+0.4	+0.1	-1.7	2.07
	III	-0.6	-1.7	-2.0	-1.7	-0.5	+1.0	+2.6	+3.9	+4.1	+2.6	+2.2	+0.7	-0.5	-1.3	-2.2	-2.1	-1.9	-1.4	-1.6	-1.1	-0.7	+0.4	+1.0	+1.0	1.52
	YEAR	-2.9	-3.7	-3.0	-1.3	+1.0	+3.0	+4.6	+5.1	+4.8	+3.3	+2.3	+1.2	0.0	-0.8	-1.4	-1.5	-2.1	-1.7	-1.8	-1.3	-0.5	-0.4	-0.9	-2.0	2.12

TABLE 369

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST. I DOWN. H. Z TOWARD NADIR. X NORTHWARD. Y EASTWARD. AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.34	+0.01	+0.14	+0.06	+0.01	-0.05	+0.14	-0.34	-0.64	-0.54	-0.41	+0.09	+0.61	+1.12	+1.26	+0.72	+0.28	-0.18	-0.56	-0.52	-0.25	-0.25	-0.13	-0.17	0.37
FEB	I	-0.12	-0.10	+0.09	+0.08	+0.13	+0.12	-0.09	-0.43	-0.77	-0.57	-0.01	+0.46	+0.75	+0.77	+0.63	+0.33	+0.03	-0.30	-0.21	-0.07	-0.12	-0.30	-0.17	-0.17	0.28
MAR	II	+0.02	+0.08	+0.24	+0.33	+0.50	+0.42	+0.26	-0.02	-0.34	-0.56	-0.26	+0.12	+0.35	+0.43	+0.28	+0.13	-0.16	-0.42	-0.31	-0.33	-0.25	-0.14	-0.18	-0.16	0.26
APR	II	-0.07	+0.02	+0.18	+0.35	+0.37	+0.28	+0.11	+0.18	+0.19	+0.08	+0.08	+0.29	+0.45	+0.32	+0.33	+0.20	-0.37	-0.56	-0.54	-0.47	-0.39	-0.49	-0.35	-0.18	0.29
MAY	III	+0.04	+0.18	+0.41	+0.41	+0.48	+0.51	+0.50	+0.52	+0.51	+0.35	+0.09	-0.04	-0.14	-0.32	-0.54	-0.55	-0.45	-0.26	-0.19	-0.33	-0.35	-0.35	-0.28	-0.19	0.33
JUN[a]	III	-0.09	-0.02	+0.12	+0.34	+0.33	+0.32	+0.35	+0.58	+0.56	+0.39	+0.22	+0.12	-0.06	-0.23	-0.38	-0.39	-0.38	-0.32	-0.29	-0.22	-0.20	-0.28	-0.27	-0.18	0.28
JUL	III	-0.19	+0.01	+0.16	+0.28	+0.30	+0.46	+0.51	+0.83	+0.76	+0.57	+0.48	+0.40	+0.18	-0.16	-0.26	-0.38	-0.47	-0.50	-0.45	-0.43	-0.56	-0.74	-0.56	-0.39	0.42
AUG	III	-0.37	-0.20	+0.03	+0.14	+0.22	+0.44	+0.71	+0.78	+0.70	+0.55	+0.34	+0.17	+0.15	+0.08	-0.21	-0.29	-0.31	-0.31	-0.27	-0.33	-0.40	-0.51	-0.59	-0.55	0.36
SEP	II	-0.44	-0.19	+0.01	+0.26	+0.40	+0.43	+0.54	+0.55	+0.30	+0.21	+0.33	+0.56	+0.62	+0.47	+0.18	0.00	-0.38	-0.40	-0.46	-0.51	-0.68	-0.62	-0.62	-0.53	0.40
OCT	II	-0.16	+0.03	+0.20	+0.43	+0.41	+0.33	+0.28	+0.14	-0.14	-0.33	-0.20	+0.05	+0.24	+0.52	+0.60	+0.46	+0.13	-0.16	-0.35	-0.54	-0.65	-0.55	-0.40	-0.35	0.32
NOV	I	-0.28	-0.18	-0.12	-0.03	+0.03	+0.14	+0.08	+0.02	-0.10	-0.07	+0.04	+0.38	+0.70	+0.76	+0.55	+0.28	+0.11	-0.08	-0.37	-0.38	-0.40	-0.44	-0.36	-0.27	0.26
DEC	I	-0.34	-0.20	-0.27	-0.23	-0.09	+0.02	+0.12	+0.13	+0.09	+0.14	+0.19	+0.22	+0.33	+0.50	+0.47	+0.38	+0.20	+0.01	-0.20	-0.19	-0.26	-0.34	-0.28	-0.45	0.24
MEANS	I	-0.27	-0.12	-0.04	-0.03	+0.02	+0.06	+0.06	-0.16	-0.36	-0.26	-0.05	+0.29	+0.60	+0.79	+0.73	+0.43	+0.16	-0.14	-0.34	-0.29	-0.26	-0.33	-0.24	-0.26	0.26
	II	-0.16	-0.02	+0.16	+0.34	+0.42	+0.36	+0.30	+0.21	0.00	-0.15	-0.01	+0.26	+0.42	+0.44	+0.35	+0.20	-0.20	-0.38	-0.42	-0.46	-0.49	-0.45	-0.39	-0.30	0.29
	III	-0.15	-0.01	+0.18	+0.29	+0.33	+0.43	+0.52	+0.68	+0.63	+0.49	+0.28	+0.16	+0.03	-0.16	-0.35	-0.40	-0.40	-0.35	-0.30	-0.33	-0.38	-0.47	-0.42	-0.33	0.34
	YEAR	-0.20	-0.05	+0.10	+0.20	+0.26	+0.28	+0.29	+0.24	+0.09	+0.03	+0.07	+0.24	+0.35	+0.36	+0.24	+0.07	-0.15	-0.29	-0.35	-0.36	-0.38	-0.42	-0.35	-0.30	0.24

[a]Twenty-nine days only--June 1-14, 16-30

TEN LEAST-DISTURBED DAYS BASIS 120TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.34	-0.20	+0.04	+0.08	+0.29	-0.03	-0.14	-0.22	-0.54	-0.47	-0.33	+0.19	+0.64	+0.93	+0.86	+0.56	-0.04	-0.35	-0.44	-0.28	-0.06	-0.09	-0.08	+0.05	0.30
FEB	I	-0.45	-0.24	-0.08	-0.15	-0.15	-0.19	-0.35	-0.68	-0.97	-0.92	-0.36	+0.31	+0.78	+0.92	+0.86	+0.62	+0.24	-0.02	0.00	+0.14	+0.22	+0.16	+0.13	+0.13	0.38
MAR	II	-0.23	-0.06	-0.07	-0.03	+0.08	+0.05	-0.06	-0.28	-0.51	-0.59	-0.36	-0.05	+0.19	+0.40	+0.52	+0.42	+0.16	+0.01	-0.05	+0.06	+0.08	+0.06	+0.08	+0.14	0.19
APR	II	-0.16	-0.05	+0.03	+0.09	+0.18	+0.16	+0.10	+0.04	-0.07	-0.10	-0.11	+0.11	+0.30	+0.14	-0.02	-0.05	-0.11	-0.14	-0.12	-0.05	-0.02	-0.07	-0.02	0.00	0.09
MAY	III	-0.24	-0.19	-0.03	+0.02	+0.14	+0.12	+0.18	+0.36	+0.30	+0.15	+0.04	-0.03	+0.06	-0.09	-0.34	-0.36	-0.27	-0.04	+0.04	+0.04	+0.04	-0.03	+0.05	+0.14	0.14
JUN	III	+0.02	+0.05	+0.08	+0.18	+0.15	+0.13	+0.18	+0.37	+0.31	+0.08	-0.02	-0.08	-0.15	-0.28	-0.28	-0.25	-0.26	-0.04	-0.04	+0.02	0.00	-0.06	-0.11	-0.05	0.13
JUL	III	-0.45	-0.27	-0.14	-0.07	-0.02	+0.01	+0.24	+0.50	+0.52	+0.41	+0.22	+0.16	+0.18	-0.13	-0.24	-0.21	-0.18	-0.03	+0.07	+0.06	-0.06	-0.19	-0.17	-0.13	0.19
AUG	III	-0.37	-0.24	-0.08	+0.11	+0.13	+0.23	+0.38	+0.56	+0.53	+0.42	+0.16	-0.01	0.00	-0.18	-0.41	-0.35	-0.24	-0.13	+0.03	+0.04	-0.02	-0.13	-0.21	-0.20	0.22
SEP	II	-0.61	-0.39	-0.36	-0.27	-0.13	-0.07	+0.02	+0.03	-0.03	+0.12	+0.46	+0.77	+0.74	+0.60	+0.27	+0.03	-0.20	-0.10	-0.07	-0.05	-0.14	-0.25	-0.22	-0.19	0.26
OCT	II	-0.34	-0.02	+0.03	+0.03	+0.08	+0.05	+0.08	-0.02	-0.36	-0.43	-0.29	-0.04	+0.29	+0.38	+0.32	+0.20	+0.02	-0.07	0.00	-0.01	+0.02	+0.06	+0.02	+0.06	0.13
NOV	I	-0.34	-0.29	-0.21	-0.13	-0.09	-0.04	-0.08	-0.11	-0.20	-0.19	-0.10	+0.31	+0.58	+0.76	+0.77	+0.55	+0.27	-0.08	-0.28	-0.20	-0.26	-0.22	-0.20	-0.25	0.27
DEC	I	-0.43	-0.39	-0.30	-0.36	-0.21	-0.16	+0.01	+0.10	+0.11	+0.07	-0.02	0.00	+0.10	+0.23	+0.36	+0.46	+0.56	+0.35	-0.02	-0.08	-0.08	-0.10	-0.10	-0.16	0.20
MEANS	I	-0.39	-0.28	-0.14	-0.14	-0.04	-0.10	-0.14	-0.23	-0.40	-0.38	-0.20	+0.20	+0.52	+0.71	+0.71	+0.55	+0.26	-0.02	-0.18	-0.10	-0.04	-0.06	-0.06	-0.06	0.25
	II	-0.34	-0.13	-0.09	-0.04	+0.05	+0.05	+0.04	-0.06	-0.24	-0.25	-0.08	+0.20	+0.38	+0.38	+0.27	+0.15	-0.03	-0.08	-0.04	-0.01	-0.02	-0.05	-0.04	0.00	0.13
	III	-0.26	-0.16	-0.04	+0.06	+0.10	+0.12	+0.24	+0.45	+0.42	+0.26	+0.10	+0.01	+0.02	-0.17	-0.32	-0.29	-0.24	-0.06	+0.02	+0.04	-0.01	-0.10	-0.11	-0.06	0.15
	YEAR	-0.33	-0.19	-0.09	-0.04	+0.04	+0.02	+0.05	+0.05	-0.08	-0.12	-0.06	+0.14	+0.31	+0.31	+0.22	+0.14	0.00	-0.05	-0.06	-0.03	-0.02	-0.07	-0.07	-0.04	0.11

TABLE 369--CONCLUDED

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.66	-0.66	-0.49	-0.13	+0.36	+0.69	+0.70	+0.54	+0.13	-0.46	-0.56	-0.35	-0.26	-0.20	-0.28	-0.12	+0.13	+0.09	+0.17	+0.31	+0.21	+0.11	+0.34	+0.36	0.35
FEB	I	-1.34	-1.24	-0.47	+0.20	+0.73	+0.88	+0.88	+0.54	+0.29	0.00	-0.06	+0.05	+0.03	-0.01	-0.06	-0.05	-0.09	-0.06	-0.04	0.00	+0.09	+0.06	+0.03	-0.26	0.31
MAR	II	-1.01	-1.32	-1.03	-0.48	+0.02	+0.50	+0.66	+0.56	+0.26	+0.05	+0.09	+0.07	+0.09	+0.11	+0.09	+0.07	+0.03	+0.08	+0.18	+0.29	+0.38	+0.28	+0.16	-0.06	0.33
APR	II	-0.17	-0.19	-0.09	+0.19	+0.36	+0.13	-0.19	-0.22	-0.15	-0.14	-0.09	-0.08	-0.08	-0.15	-0.14	-0.11	-0.17	0.00	+0.18	+0.23	+0.23	+0.22	+0.21	+0.26	0.17
MAY	III	+0.12	-0.01	-0.08	-0.14	-0.07	-0.29	-0.56	-0.44	-0.34	-0.14	-0.08	-0.04	-0.07	-0.18	-0.03	+0.07	+0.13	+0.20	+0.22	+0.22	+0.20	+0.29	+0.36	+0.59	0.20
JUN[a]	III	+0.34	+0.25	+0.15	-0.09	-0.17	-0.37	-0.32	-0.33	-0.34	-0.17	-0.22	-0.11	-0.08	-0.07	-0.03	+0.01	+0.07	+0.10	+0.12	+0.22	+0.17	+0.16	+0.28	+0.44	0.19
JUL	III	+0.50	+0.24	+0.09	+0.11	+0.08	-0.24	-0.24	-0.19	-0.21	-0.13	-0.07	-0.09	-0.22	-0.35	-0.35	-0.25	-0.18	-0.09	+0.03	+0.10	+0.17	+0.24	+0.40	+0.61	0.22
AUG	III	+0.31	+0.20	-0.08	-0.24	-0.25	-0.49	-0.69	-0.55	-0.42	-0.26	-0.02	+0.02	-0.06	-0.10	-0.13	-0.15	-0.05	+0.04	+0.15	+0.27	+0.41	+0.55	+0.72	+0.88	0.29
SEP	II	-0.41	-0.33	+0.12	+0.46	+0.50	+0.52	+0.37	+0.07	-0.27	-0.23	-0.19	-0.16	-0.32	-0.36	-0.31	-0.28	-0.22	-0.13	-0.05	+0.03	+0.22	+0.29	+0.31	-0.31	0.27
OCT	II	-0.56	-0.61	-0.41	+0.02	+0.29	+0.31	+0.24	+0.10	-0.06	-0.10	-0.06	-0.10	-0.07	-0.04	-0.06	-0.06	-0.07	+0.10	+0.13	+0.15	+0.21	+0.22	+0.30	+0.21	0.19
NOV	I	-0.25	-0.14	-0.05	+0.44	+0.81	+0.91	+0.76	+0.41	+0.13	-0.30	-0.42	-0.39	-0.49	-0.44	-0.47	-0.41	-0.33	-0.26	-0.15	-0.01	+0.03	+0.16	+0.20	+0.18	0.34
DEC	I	+0.13	+0.14	+0.07	+0.08	+0.05	+0.11	+0.34	+0.54	+0.61	+0.31	-0.16	-0.26	-0.22	-0.21	-0.23	-0.29	-0.30	-0.20	-0.14	-0.18	-0.15	-0.06	0.00	+0.03	0.20
MEANS	I	-0.53	-0.48	-0.24	+0.15	+0.49	+0.65	+0.67	+0.51	+0.29	-0.11	-0.30	-0.24	-0.24	-0.22	-0.26	-0.22	-0.15	-0.11	-0.04	+0.03	+0.04	+0.07	+0.14	+0.08	0.26
	II	-0.54	-0.61	-0.35	+0.05	+0.29	+0.36	+0.27	+0.13	-0.06	-0.10	-0.06	-0.07	-0.10	-0.11	-0.10	-0.10	-0.11	+0.01	+0.11	+0.18	+0.26	+0.25	+0.24	+0.18	0.19
	III	+0.32	+0.17	+0.02	-0.09	-0.10	-0.35	-0.45	-0.38	-0.33	-0.18	-0.10	-0.06	-0.11	-0.18	-0.14	-0.08	-0.01	+0.06	+0.13	+0.20	+0.24	+0.31	+0.44	+0.63	0.21
	YEAR	-0.25	-0.31	-0.19	+0.04	+0.23	+0.22	+0.16	+0.09	-0.03	-0.13	-0.16	-0.12	-0.15	-0.17	-0.17	-0.13	-0.09	-0.01	+0.07	+0.14	+0.18	+0.21	+0.28	+0.30	0.16

[a]Four days only--June 4, 23, 27, and 28

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.43	+0.28	+1.07	+1.88	+2.67	+3.16	+4.03	+2.11	+2.42	+1.30	-0.86	-1.07	-0.76	-0.69	+0.25	-0.44	-1.95	-0.87	-1.29	-2.05	-2.83	-2.37	-0.58	-2.99	1.60
FEB	I	-0.29	-0.01	+0.50	+0.76	+1.05	+0.78	+0.94	+0.65	+0.47	+0.33	+0.06	-0.14	-0.26	-0.62	-0.19	-0.37	-0.20	-0.25	-0.17	-0.54	-0.63	-0.36	-0.46	-1.03	0.46
MAR	II	+1.06	+0.74	+0.83	+0.99	+1.04	+0.64	-0.32	-0.22	-0.78	-1.75	-0.98	-0.75	-0.71	-0.55	-0.94	-0.77	-0.26	-0.13	+0.29	+0.44	+1.03	+0.81	+0.44	-0.15	0.69
APR	II	+1.20	+0.92	+0.89	+1.29	+1.61	+1.25	+2.23	+1.64	-1.24	-1.58	-1.65	-1.76	-1.14	-1.15	-0.84	-0.52	-0.74	-0.19	+0.04	+0.29	+0.28	-0.02	-0.46	-0.29	0.97
MAY	III	+1.05	+1.00	+0.52	+0.44	+0.42	-0.31	-0.64	-0.74	-0.69	-0.35	-0.20	-0.90	-0.90	-0.85	-0.87	-0.74	-0.24	+0.30	+1.18	+0.39	+0.75	+0.98	+0.56	-0.20	0.63
JUN	III	+1.17	+0.98	+0.68	+0.33	-0.10	-0.60	-1.01	-0.87	-0.89	-0.92	-0.87	-0.62	-0.23	-0.36	-0.37	-0.18	+0.16	+0.07	+0.32	+0.89	+0.90	+0.71	+0.34	+0.47	0.58
JUL	III	+1.76	+1.68	+1.55	+1.51	+1.27	+0.58	+0.28	-0.46	-1.07	-1.63	-1.52	-1.47	-1.19	-1.89	-1.22	-0.78	-0.51	-0.05	+0.36	+0.63	+0.25	+0.80	+0.35	+0.66	0.98
AUG	III	+1.67	+1.39	+1.30	+1.25	+1.24	+1.08	+0.48	+0.28	-0.38	-1.18	-1.45	-1.69	-1.37	-1.52	-1.72	-1.42	-0.68	-0.45	-0.12	-0.08	-0.06	+0.62	+1.71	+1.07	1.01
SEP	II	+2.08	+1.12	+0.26	+0.19	+0.49	+0.36	+0.46	+0.47	-0.67	-0.81	-1.32	-1.39	-1.64	-0.94	-1.26	-0.95	-1.11	-0.59	-0.18	+0.60	+1.04	+0.98	+1.41	+1.44	0.91
OCT	II	+1.05	+0.69	+0.67	+0.24	-0.13	+0.53	+0.98	+1.38	+0.74	-0.21	-0.76	-1.28	-1.46	-1.38	-1.21	-1.43	-0.97	-0.42	+0.04	+0.47	+0.99	+0.55	+0.57	+0.24	0.77
NOV	I	+0.82	+0.63	+0.69	+1.31	+1.76	+1.61	+1.06	+0.52	+0.34	+0.02	-0.58	-0.88	-1.07	-1.33	-1.24	-0.53	-1.20	-0.59	-0.36	-0.27	-0.08	+0.10	-0.32	-0.49	0.74
DEC	I	+0.94	+1.01	+1.13	+1.40	+1.50	+1.48	+1.13	+0.72	+0.57	+0.13	-0.10	-0.08	-0.20	-0.47	-0.43	-1.18	-1.28	-0.41	-1.19	-1.33	-0.73	-0.73	-0.84	-1.03	0.83
MEANS	I	+0.26	+0.48	+0.85	+1.34	+1.74	+1.76	+1.79	+1.00	+0.95	+0.44	-0.37	-0.54	-0.57	-0.78	-0.40	-0.63	-1.16	-0.53	-0.75	-1.05	-1.07	-0.84	-0.55	-1.38	0.88
	II	+1.35	+0.87	+0.66	+0.68	+0.75	+0.70	+0.84	+0.82	-0.49	-1.09	-1.18	-1.30	-1.24	-1.00	-1.06	-0.92	-0.77	-0.33	+0.05	+0.45	+0.84	+0.60	+0.49	+0.31	0.78
	III	+1.41	+1.26	+1.01	+0.88	+0.71	+0.21	-0.22	-0.45	-0.76	-1.02	-1.01	-1.17	-0.92	-1.16	-1.04	-0.78	-0.32	-0.03	+0.44	+0.46	+0.46	+0.78	+0.74	+0.50	0.74
	YEAR	+1.01	+0.87	+0.84	+0.97	+1.07	+0.89	+0.80	+0.46	-0.10	-0.55	-0.85	-1.00	-0.91	-0.98	-0.84	-0.78	-0.75	-0.30	-0.09	-0.05	+0.08	+0.18	+0.23	-0.19	0.62

TABLE 370

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	0	+ 3	+ 4	+ 1	0	+ 2	+ 7	0	- 5	- 9	-14	-13	- 8	+ 1	+ 6	+ 5	+ 6	+ 3	- 1	- 1	+ 3	+ 4	+ 5	+ 4	4.4
FEB	I	+ 4	+ 3	+ 4	+ 3	+ 4	+ 6	+ 7	+ 4	- 4	- 9	- 9	- 9	- 8	- 7	- 6	- 3	0	0	+ 2	+ 4	+ 5	+ 3	+ 4	+ 3	4.7
MAR	II	+ 5	+ 5	+ 7	+ 7	+ 9	+ 9	+ 9	+ 7	+ 2	- 5	- 7	- 7	- 8	- 9	-10	- 8	- 7	- 6	- 2	- 1	+ 1	+ 3	+ 3	+ 3	5.9
APR	II	+ 3	+ 3	+ 5	+ 7	+ 8	+ 6	+ 6	+ 9	+ 9	+ 5	0	- 4	- 7	-10	- 7	- 5	-10	- 8	- 5	- 3	0	- 1	0	+ 2	5.2
MAY	III	+ 3	+ 5	+ 8	+ 7	+ 8	+ 9	+ 9	+10	+13	+11	+ 3	- 5	-11	-16	-19	-17	-10	- 3	- 1	- 2	- 1	- 1	0	0	7.1
JUN[a]	III	0	0	+ 2	+ 5	+ 5	+ 5	+ 6	+ 9	+11	+10	+ 6	0	- 5	-10	-13	-11	- 8	- 4	- 2	- 1	0	- 2	- 2	- 1	5.0
JUL	III	- 1	+ 1	+ 4	+ 5	+ 5	+ 7	+ 8	+12	+15	+15	+11	+ 6	- 2	-11	-14	-14	-12	- 7	- 5	- 4	- 5	- 7	- 5	- 3	7.5
AUG	III	- 3	- 1	+ 1	+ 3	+ 4	+ 7	+10	+14	+17	+16	+11	+ 3	- 3	- 9	-16	-16	-11	- 5	- 3	- 2	- 2	- 4	- 5	- 5	7.2
SEP	II	- 2	0	+ 2	+ 5	+ 7	+ 8	+11	+15	+13	+10	+ 6	+ 1	- 4	- 9	-11	-10	- 9	- 5	- 5	- 4	- 5	- 4	- 4	- 3	6.3
OCT	II	+ 1	+ 3	+ 5	+ 8	+ 8	+ 8	+11	+12	+ 8	+ 1	- 6	-13	-17	-13	- 7	- 1	+ 1	+ 1	- 1	- 3	- 3	- 2	0	0	5.5
NOV	I	- 1	0	- 1	0	+ 2	+ 6	+ 8	+ 8	+ 6	+ 2	- 3	- 5	- 5	- 5	- 5	- 3	0	+ 1	- 1	- 1	- 1	- 2	0	0	2.9
DEC	I	0	+ 1	- 1	- 2	0	+ 3	+ 6	+ 8	+ 7	+ 5	0	- 6	- 9	- 7	- 6	- 2	0	+ 2	0	+ 1	0	0	+ 1	- 2	2.9
MEANS	I	+ 0.5	+ 1.4	+ 1.4	+ 0.8	+ 1.6	+ 4.0	+ 6.9	+ 5.2	+ 0.9	- 2.6	- 6.6	- 8.6	- 7.5	- 4.8	- 2.5	- 0.8	+ 1.4	+ 1.4	0.0	+ 0.8	+ 1.7	+ 1.2	+ 2.5	+ 1.4	2.8
	II	+ 1.5	+ 2.9	+ 4.7	+ 6.8	+ 7.8	+ 7.8	+ 9.0	+10.6	+ 8.0	+ 2.8	- 1.8	- 5.6	- 9.1	-10.2	- 9.0	- 6.1	- 6.2	- 4.5	- 3.2	- 2.8	- 1.9	- 0.8	- 0.3	+ 0.2	5.2
	III	- 0.4	+ 1.2	+ 3.6	+ 5.1	+ 5.5	+ 6.9	+ 8.1	+11.4	+14.1	+13.0	+ 7.8	+ 1.2	- 5.3	-11.4	-15.6	-14.7	-10.0	- 4.8	- 2.8	- 2.2	- 2.2	- 3.4	- 2.9	- 2.2	6.5
	YEAR	+ 0.6	+ 1.8	+ 3.3	+ 4.2	+ 5.0	+ 6.2	+ 8.0	+ 9.1	+ 7.7	+ 4.4	- 0.2	- 4.3	- 7.3	- 8.8	- 9.1	- 7.2	- 4.9	- 2.6	- 2.0	- 1.4	- 0.8	- 1.0	- 0.2	- 0.2	4.2

[a] Twenty-nine days only--June 1-14, 16-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 2	- 2	+ 2	+ 2	+ 7	+ 5	+ 6	+ 6	- 2	- 7	-13	-11	- 6	- 2	+ 1	+ 3	+ 1	- 1	- 2	0	+ 3	+ 4	+ 5	+ 5	4.1
FEB	I	- 2	0	+ 2	0	0	+ 2	+ 4	+ 3	- 4	-12	-13	-12	-10	- 7	- 4	0	+ 2	+ 4	+ 6	+ 7	+ 8	+ 8	+ 8	+ 8	5.4
MAR	II	+ 1	+ 3	+ 2	+ 2	+ 3	+ 4	+ 5	+ 4	0	- 4	- 7	- 9	-10	-10	- 7	- 5	- 3	- 1	+ 3	+ 4	+ 5	+ 5	+ 6	+ 7	4.6
APR	II	+ 1	+ 1	+ 2	+ 3	+ 5	+ 6	+ 6	+ 7	+ 7	+ 4	- 2	- 6	- 9	-12	-13	-10	- 6	- 2	0	+ 2	+ 4	+ 4	+ 4	+ 4	4.9
MAY	III	- 2	- 2	+ 1	+ 2	+ 3	+ 3	+ 4	+ 8	+10	+ 8	+ 3	- 4	- 8	-11	-15	-13	- 7	0	+ 2	+ 3	+ 3	+ 2	+ 4	+ 5	5.1
JUN	III	+ 1	+ 1	+ 2	+ 3	+ 3	+ 3	+ 3	+ 6	+ 8	+ 6	+ 3	- 2	- 6	-11	-12	- 9	- 5	0	+ 1	+ 2	+ 2	+ 1	0	+ 1	3.8
JUL	III	- 6	- 3	- 2	- 1	0	0	+ 4	+ 8	+12	+11	+ 8	+ 3	- 2	-10	-14	-11	- 6	0	+ 3	+ 3	+ 2	0	0	0	4.6
AUG	III	- 4	- 2	0	+ 2	+ 2	+ 4	+ 7	+12	+16	+15	+ 8	0	- 7	-15	-20	-16	- 9	- 2	+ 2	+ 3	+ 3	+ 1	0	0	6.3
SEP	II	- 6	- 4	- 4	- 3	0	+ 1	+ 4	+ 8	+10	+10	+ 9	+ 4	- 3	- 7	-10	- 8	- 6	- 1	+ 1	+ 2	+ 2	+ 1	+ 1	+ 1	4.4
OCT	II	- 2	+ 2	+ 3	+ 2	+ 4	+ 6	+10	+12	+ 8	+ 2	- 5	-14	-17	-16	-12	- 6	- 2	+ 1	+ 3	+ 3	+ 5	+ 5	+ 5	+ 5	6.3
NOV	I	- 2	- 2	- 2	0	+ 1	+ 4	+ 6	+ 8	+ 6	+ 3	- 4	- 6	- 9	- 7	- 3	+ 1	+ 3	+ 1	0	0	0	+ 1	+ 1	0	3.0
DEC	I	- 3	- 3	- 3	- 4	- 1	+ 1	+ 5	+ 8	+ 9	+ 6	0	- 6	- 9	- 9	- 6	- 2	+ 4	+ 4	+ 1	0	+ 2	+ 2	+ 2	+ 1	3.8
MEANS	I	- 2.4	- 2.0	- 0.3	- 0.4	+ 1.8	+ 2.8	+ 5.4	+ 6.2	+ 2.4	- 2.4	- 7.6	- 8.9	- 8.4	- 6.4	- 3.1	+ 0.4	+ 2.3	+ 2.2	+ 1.2	+ 2.0	+ 3.3	+ 3.7	+ 4.3	+ 3.5	3.5
	II	- 1.6	+ 0.6	+ 0.8	+ 1.2	+ 2.8	+ 4.0	+ 6.2	+ 7.9	+ 6.0	+ 3.0	- 1.4	- 6.1	- 9.7	-11.2	-10.4	- 7.4	- 4.2	- 0.6	+ 1.6	+ 2.9	+ 3.9	+ 3.8	+ 4.0	+ 4.2	4.4
	III	- 2.6	- 1.4	0.0	+ 1.4	+ 2.0	+ 2.6	+ 4.5	+ 8.6	+11.4	+10.1	+ 5.5	- 0.7	- 5.6	-11.8	-14.9	-12.4	- 7.0	- 0.3	+ 2.2	+ 2.9	+ 2.5	+ 1.2	+ 1.0	+ 1.4	4.8
	YEAR	- 2.2	- 0.9	+ 0.2	+ 0.7	+ 2.2	+ 3.2	+ 5.4	+ 7.6	+ 6.6	+ 3.6	- 1.2	- 5.2	- 7.9	- 9.8	- 9.5	- 6.4	- 3.0	+ 0.5	+ 1.7	+ 2.6	+ 3.2	+ 2.9	+ 3.1	+ 3.1	3.8

TABLE 370--CONCLUDED

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H. Z TOWARD NADIR. X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 5	-10	-14	-14	- 9	- 6	- 4	0	+ 2	- 3	- 4	- 2	0	+ 2	+ 1	+ 2	+ 5	+ 4	+ 5	+ 7	+ 7	+ 8	+14	+15	5.9
FEB	I	-11	-18	-15	-14	-11	- 9	- 4	- 2	+ 2	+ 5	+ 5	+ 6	+ 6	+ 6	+ 5	+ 5	+ 4	+ 3	+ 3	+ 4	+ 5	+ 6	+10	+10	7.0
MAR	II	- 4	-13	-18	-17	-15	-10	- 6	- 3	- 2	0	+ 4	+ 5	+ 6	+ 7	+ 6	+ 6	+ 5	+ 5	+ 6	+ 7	+ 9	+ 8	+ 8	+ 8	7.5
APR	II	+ 6	+ 4	- 1	- 4	- 8	-13	-16	-13	- 6	- 2	0	+ 2	+ 3	+ 2	+ 2	+ 2	0	+ 2	+ 4	+ 5	+ 6	+ 7	+ 8	+11	5.4
MAY	III	+ 7	+ 5	+ 1	- 5	-10	-15	-18	-15	- 8	- 2	0	+ 2	+ 1	0	+ 2	+ 3	+ 3	+ 5	+ 5	+ 5	+ 5	+ 6	+ 8	+13	6.0
JUN[a]	III	+ 8	+ 9	+ 6	- 2	- 6	-12	-12	-11	- 7	- 2	- 2	0	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 2	+ 3	+ 3	+ 3	+ 5	+ 7	4.4
JUL	III	+12	+10	+ 7	+ 2	- 3	-12	-14	-12	- 8	- 2	+ 1	+ 1	- 1	- 2	- 3	- 2	- 2	- 1	+ 1	+ 2	+ 3	+ 5	+ 7	+11	5.2
AUG	III	+12	+12	+ 5	- 3	-10	-20	-25	-21	-13	- 4	+ 1	+ 2	+ 2	+ 1	+ 1	+ 1	+ 1	+ 2	+ 4	+ 5	+ 7	+ 9	+12	+18	8.0
SEP	II	+ 5	+ 4	+ 3	- 2	- 9	-11	-10	- 8	- 7	- 3	- 1	0	- 1	- 1	- 1	0	0	+ 1	+ 1	+ 2	+ 6	+ 7	+10	+14	4.5
OCT	II	+ 4	- 1	- 8	-15	-18	-18	-13	- 7	- 2	+ 1	+ 2	+ 2	+ 4	+ 4	+ 3	+ 3	+ 2	+ 5	+ 5	+ 5	+ 6	+ 8	+13	+15	6.8
NOV	I	+ 5	+ 3	- 3	- 4	- 5	- 4	- 3	- 1	+ 2	- 1	- 3	- 3	- 5	- 4	- 4	- 3	- 3	- 2	0	+ 2	+ 3	+ 7	+11	+13	3.8
DEC	I	+ 8	+ 7	+ 1	- 5	- 9	-11	- 7	0	+ 5	+ 5	- 1	- 2	- 1	0	0	- 1	- 2	- 1	0	- 1	0	+ 3	+ 6	+ 8	3.5
MEANS	I	- 0.6	- 4.4	- 7.9	- 9.1	- 8.5	- 7.7	- 4.5	- 0.7	+ 2.8	+ 1.3	- 0.6	- 0.4	0.0	+ 0.9	+ 0.6	+ 0.6	+ 1.0	+ 1.0	+ 1.8	+ 2.8	+ 3.7	+ 6.0	+10.1	+11.7	3.7
	II	+ 2.7	- 1.6	- 5.8	- 9.5	-12.6	-13.0	-11.4	- 7.8	- 4.4	- 1.0	+ 1.4	+ 2.2	+ 3.0	+ 3.0	+ 2.8	+ 2.6	+ 1.7	+ 3.2	+ 4.1	+ 4.9	+ 6.6	+ 7.6	+ 9.6	+12.0	5.6
	III	+ 9.9	+ 9.2	+ 4.8	- 1.9	- 7.3	-14.5	-17.5	-14.7	- 9.1	- 2.3	0.0	+ 1.1	+ 0.7	0.0	+ 0.3	+ 0.7	+ 1.1	+ 1.8	+ 2.7	+ 3.9	+ 4.5	+ 5.8	+ 8.0	+12.2	5.6
	YEAR	+ 4.0	+ 1.1	- 3.0	- 6.8	- 9.5	-11.7	-11.1	- 7.8	- 3.6	- 0.6	+ 0.2	+ 1.0	+ 1.3	+ 1.3	+ 1.2	+ 1.3	+ 1.3	+ 2.0	+ 2.9	+ 3.9	+ 5.0	+ 6.4	+ 9.3	+12.0	4.5

[a] Four days only--June 4,23,27, and 28

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-10	-10	- 2	+ 6	+20	+29	+47	+26	+41	+32	+ 6	+ 1	+ 6	+ 7	+15	+ 7	-16	- 8	-16	-32	-50	-40	-12	-48	20.3
FEB	I	+ 4	0	- 2	- 6	- 7	-10	- 4	+ 1	+ 7	+11	+ 8	+ 5	+ 7	0	+ 5	+ 2	+ 9	+ 3	+ 1	- 7	-11	- 5	- 2	- 9	5.3
MAR	II	+17	+12	+ 8	+ 7	+ 5	- 2	-16	-10	-13	-19	- 9	- 8	- 4	+ 1	- 6	- 5	0	+ 2	+ 8	+ 5	+12	+10	+ 7	0	7.7
APR	II	+25	+18	+12	+12	+10	+ 3	+22	+17	-26	-22	-20	-19	- 7	- 8	- 5	- 4	- 7	- 1	+ 1	+ 4	+ 4	- 2	- 6	0	10.6
MAY	III	+20	+18	+ 5	0	- 2	-15	-22	-21	-15	- 4	+ 1	- 6	- 6	- 5	- 4	- 5	0	+ 8	+22	+ 7	+12	+13	+ 6	- 8	9.3
JUN	III	+20	+18	+12	+ 3	- 6	-16	-22	-18	-15	-13	-11	- 4	+ 1	- 2	- 3	- 0	+ 3	+ 2	+ 4	+12	+12	+10	+ 5	+ 8	9.3
JUL	III	+30	+31	+26	+22	+14	+ 1	- 6	-17	-22	-24	-22	-19	-11	-21	-12	- 6	- 3	+ 1	+ 9	+12	+ 4	+ 9	+ 1	+ 5	13.7
AUG	III	+32	+28	+26	+21	+16	+ 9	- 5	- 7	-12	-19	-22	-22	-14	-17	-20	-17	- 8	- 7	- 2	- 1	- 2	+ 7	+21	+16	14.6
SEP	II	+39	+23	+ 3	- 6	- 7	-12	- 9	- 5	-11	- 9	-15	-14	-16	- 4	-10	- 6	- 9	- 5	+ 1	+ 8	+11	+12	+18	+23	11.5
OCT	II	+22	+14	+ 7	- 9	-22	-12	0	+15	+10	+ 1	- 5	-12	-13	- 9	-10	-14	-10	- 4	+ 1	+ 5	+12	+ 9	+11	+10	10.0
NOV	I	+20	+13	+ 5	+ 6	+ 8	+ 6	+ 3	+ 1	+ 4	+ 3	- 2	- 5	- 7	-12	- 9	- 3	-14	- 8	- 6	- 6	- 3	+ 4	+ 1	- 1	6.3
DEC	I	+20	+18	+13	+10	+ 9	+ 8	+ 6	+ 3	+ 4	+ 4	+ 3	+ 6	+ 4	0	+ 3	- 9	-12	+ 2	-13	-17	-15	-14	-15	-17	9.4
MEANS	I	+ 8.6	+ 5.1	+ 3.4	+ 4.0	+ 7.3	+ 8.4	+13.1	+ 8.0	+14.1	+12.6	+ 3.8	+ 1.6	+ 2.6	- 1.0	+ 3.4	- 1.1	- 8.5	- 2.6	- 8.6	-15.4	-19.5	-14.0	- 6.8	-18.8	8.0
	II	+25.8	+16.8	+ 7.6	+ 0.8	- 3.4	- 5.8	- 0.8	+ 4.3	- 9.8	-12.3	-12.4	-13.2	- 9.8	- 5.0	- 7.8	- 7.4	- 6.2	- 2.0	+ 2.6	+ 5.7	+ 9.8	+ 7.2	+ 7.4	+ 8.2	8.0
	III	+25.3	+23.4	+17.4	+11.5	+ 5.4	- 5.4	-13.8	-15.9	-16.1	-14.9	-13.7	-12.9	- 7.8	-11.2	- 9.6	- 7.2	- 1.8	+ 1.0	+ 8.2	+ 7.4	+ 6.6	+ 9.7	+ 8.2	+ 5.6	10.8
	YEAR	+19.9	+15.1	+ 9.5	+ 5.4	+ 3.1	- 0.9	- 0.5	- 1.2	- 3.9	- 4.9	- 7.5	- 8.2	- 5.0	- 5.7	- 4.7	- 5.2	- 5.5	- 1.2	+ 0.8	- 0.8	- 1.1	+ 1.0	+ 2.9	- 1.7	4.8

TABLE 371

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	0	+ 2	+ 3	+ 1	0	+ 1	+ 6	- 2	- 7	-12	-16	-14	- 7	+ 2	+ 9	+ 7	+ 7	+ 4	0	- 1	+ 4	+ 4	+ 5	+ 4	4.9
FEB	I	+ 4	+ 2	+ 4	+ 3	+ 4	+ 5	+ 6	+ 2	- 7	-12	-11	-10	- 7	- 5	- 3	- 1	+ 2	+ 1	+ 3	+ 5	+ 5	+ 3	+ 4	+ 3	4.6
MAR	II	+ 5	+ 5	+ 7	+ 7	+ 9	+ 9	+ 9	+ 6	0	- 7	- 9	- 8	- 8	- 8	- 9	- 6	- 6	- 4	- 1	0	+ 2	+ 4	+ 3	+ 3	5.6
APR	II	+ 2	+ 3	+ 5	+ 7	+ 8	+ 6	+ 5	+ 8	+ 8	+ 3	- 2	- 5	- 7	- 9	- 6	- 4	- 8	- 7	- 5	- 2	0	- 1	0	+ 2	4.7
MAY	III	+ 3	+ 5	+ 8	+ 7	+ 8	+ 9	+ 9	+10	+12	+ 9	+ 2	- 6	-11	-15	-18	-16	- 9	- 2	0	- 1	- 1	- 1	0	0	6.8
JUN[a]	III	- 1	0	+ 2	+ 5	+ 5	+ 5	+ 6	+10	+11	+10	+ 5	0	- 5	-10	-12	-10	- 7	- 4	- 2	- 1	0	- 2	- 2	- 1	4.9
JUL	III	- 1	+ 1	+ 3	+ 5	+ 5	+ 7	+ 8	+13	+15	+14	+10	+ 5	- 3	-11	-13	-13	-10	- 6	- 5	- 4	- 5	- 8	- 5	- 3	7.2
AUG	III	- 4	- 2	+ 1	+ 3	+ 4	+ 7	+11	+14	+17	+15	+ 9	+ 2	- 4	-10	-15	-14	- 9	- 4	- 2	- 2	- 2	- 4	- 5	- 5	6.8
SEP	II	- 3	- 1	+ 2	+ 5	+ 7	+ 8	+11	+14	+11	+ 8	+ 4	0	- 4	- 8	-10	- 8	- 7	- 4	- 4	- 4	- 5	- 4	- 4	- 4	5.7
OCT	II	+ 1	+ 3	+ 5	+ 8	+ 8	+ 8	+10	+10	+ 6	- 1	- 8	-14	-16	-11	- 5	+ 1	+ 3	+ 2	0	- 3	- 3	- 2	0	0	5.4
NOV	I	- 1	- 1	- 1	0	+ 2	+ 5	+ 7	+ 7	+ 4	0	- 5	- 6	- 5	- 4	- 3	0	+ 2	+ 2	0	- 1	- 1	- 2	0	0	2.4
DEC	I	- 1	+ 1	- 2	- 2	0	+ 3	+ 5	+ 6	+ 5	+ 3	- 2	- 7	- 9	- 6	- 4	0	+ 2	+ 3	+ 1	+ 2	+ 1	0	+ 1	- 2	2.8
MEANS	I	+ 0.3	+ 1.2	+ 1.3	+ 0.6	+ 1.4	+ 3.5	+ 5.8	+ 3.4	- 1.4	- 5.0	- 8.4	- 9.2	- 7.0	- 3.1	- 0.2	+ 1.5	+ 3.2	+ 2.7	+ 0.8	+ 1.4	+ 2.2	+ 1.4	+ 2.5	+ 1.2	2.9
	II	+ 1.4	+ 2.7	+ 4.6	+ 6.8	+ 7.8	+ 7.7	+ 8.6	+ 9.6	+ 6.2	+ 0.6	- 3.8	- 6.8	- 8.9	- 9.0	- 7.3	- 4.2	- 4.6	- 3.4	- 2.4	- 2.2	- 1.6	- 0.8	- 0.4	+ 0.1	4.6
	III	- 0.7	+ 1.0	+ 3.5	+ 5.0	+ 5.5	+ 7.0	+ 8.2	+11.6	+13.8	+12.0	+ 6.6	+ 0.2	- 5.8	-11.2	-14.8	-13.4	- 8.8	- 4.0	- 2.4	- 1.9	- 2.1	- 3.5	- 3.2	- 2.5	6.2
	YEAR	+ 0.3	+ 1.6	+ 3.1	+ 4.1	+ 4.9	+ 6.1	+ 7.6	+ 8.2	+ 6.2	+ 2.5	- 1.9	- 5.2	- 7.2	- 7.8	- 7.4	- 5.4	- 3.4	- 1.6	- 1.3	- 0.9	- 0.5	- 1.0	- 0.3	- 0.4	3.7

[a]Twenty-nine days only--June 1-14, 16-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 3	- 2	+ 2	+ 2	+ 7	+ 4	+ 5	+ 4	- 4	- 9	-15	-12	- 5	0	+ 3	+ 6	+ 2	0	- 1	0	+ 4	+ 4	+ 5	+ 5	4.3
FEB	I	- 2	0	+ 2	0	0	+ 1	+ 3	0	- 7	-15	-16	-13	- 9	- 5	- 1	+ 2	+ 4	+ 6	+ 7	+ 8	+ 9	+ 9	+ 9	+ 8	5.7
MAR	II	+ 1	+ 3	+ 2	+ 2	+ 3	+ 4	+ 4	+ 3	- 1	- 6	- 9	-10	-10	- 9	- 6	- 3	- 2	+ 1	+ 4	+ 5	+ 6	+ 6	+ 6	+ 7	4.7
APR	II	+ 1	+ 1	+ 2	+ 3	+ 5	+ 5	+ 6	+ 6	+ 5	+ 2	- 4	- 7	- 8	-11	-11	- 8	- 4	- 1	0	+ 3	+ 4	+ 4	+ 4	+ 4	4.6
MAY	III	- 2	- 2	+ 1	+ 2	+ 3	+ 3	+ 4	+ 8	+ 9	+ 7	+ 2	- 5	- 8	-11	-14	-12	- 6	0	+ 3	+ 3	+ 3	+ 2	+ 4	+ 5	4.9
JUN	III	+ 1	+ 1	+ 2	+ 3	+ 3	+ 3	+ 3	+ 6	+ 8	+ 5	+ 2	- 3	- 7	-11	-11	- 8	- 5	+ 1	+ 1	+ 2	+ 2	+ 1	0	0	3.7
JUL	III	- 6	- 3	- 2	- 1	0	0	+ 4	+ 8	+11	+11	+ 7	+ 2	- 2	-10	-13	-10	- 5	+ 1	+ 4	+ 4	+ 2	0	0	0	4.5
AUG	III	- 4	- 2	0	+ 2	+ 2	+ 4	+ 7	+12	+15	+14	+ 6	- 2	- 8	-15	-19	-15	- 8	- 1	+ 3	+ 3	+ 3	+ 1	0	0	6.1
SEP	II	- 6	- 4	- 4	- 3	0	+ 1	+ 4	+ 7	+ 8	+ 8	+ 7	+ 3	- 4	- 6	- 8	- 7	- 5	0	+ 2	+ 3	+ 2	+ 1	+ 1	+ 1	3.9
OCT	II	- 2	+ 2	+ 3	+ 2	+ 4	+ 5	+ 9	+10	+ 5	- 1	- 8	-16	-16	-14	-10	- 4	0	+ 2	+ 4	+ 4	+ 5	+ 6	+ 5	+ 5	6.0
NOV	I	- 2	- 2	- 2	0	+ 1	+ 3	+ 5	+ 6	+ 4	0	- 6	- 7	- 9	- 6	- 1	+ 3	+ 5	+ 2	+ 1	+ 1	0	+ 1	+ 2	0	2.9
DEC	I	- 3	- 3	- 3	- 4	- 1	0	+ 4	+ 7	+ 7	+ 4	- 2	- 7	- 9	- 8	- 5	0	+ 5	+ 5	+ 2	+ 1	+ 2	+ 3	+ 3	+ 2	3.8
MEANS	I	- 2.5	- 2.0	- 0.3	- 0.4	+ 1.6	+ 2.3	+ 4.3	+ 4.4	- 0.1	- 4.9	- 9.6	- 9.7	- 8.0	- 4.8	- 1.0	+ 2.6	+ 4.0	+ 3.4	+ 2.0	+ 2.7	+ 3.8	+ 4.0	+ 4.4	+ 3.7	3.6
	II	- 1.7	+ 0.6	+ 0.8	+ 1.2	+ 2.8	+ 3.9	+ 5.8	+ 6.8	+ 4.1	+ 0.7	- 3.6	- 7.4	- 9.6	-10.2	- 8.7	- 5.6	- 2.7	+ 0.4	+ 2.4	+ 3.5	+ 4.3	+ 4.1	+ 4.1	+ 4.3	4.1
	III	- 2.8	- 1.5	0.0	+ 1.4	+ 2.1	+ 2.7	+ 4.6	+ 8.7	+10.9	+ 9.1	+ 4.2	- 1.8	- 6.2	-11.6	-14.2	-11.2	- 5.9	+ 0.4	+ 2.6	+ 3.1	+ 2.5	+ 1.2	+ 0.9	+ 1.3	4.6
	YEAR	- 2.3	- 1.0	+ 0.2	+ 0.7	+ 2.2	+ 3.0	+ 4.9	+ 6.6	+ 5.0	+ 1.6	- 3.0	- 6.3	- 7.9	- 8.9	- 7.9	- 4.7	- 1.5	+ 1.4	+ 2.3	+ 3.1	+ 3.6	+ 3.1	+ 3.2	+ 3.1	3.6

TABLE 371--CONCLUDED

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 7	-12	-16	-14	- 9	- 5	- 2	+ 3	+ 4	- 2	- 4	- 1	0	+ 2	+ 1	+ 2	+ 5	+ 4	+ 5	+ 7	+ 7	+ 7	+12	+13	5.9
FEB	I	-14	-21	-18	-14	-10	- 7	- 2	0	+ 4	+ 6	+ 6	+ 6	+ 6	+ 8	+ 5	+ 5	+ 4	+ 3	+ 3	+ 3	+ 5	+ 6	+ 9	+ 8	7.1
MAR	II	- 7	-16	-20	-19	-15	-10	- 5	- 2	0	+ 2	+ 5	+ 5	+ 6	+ 7	+ 7	+ 6	+ 5	+ 5	+ 6	+ 7	+ 9	+ 8	+ 8	+ 7	7.7
APR	II	+ 5	+ 2	- 2	- 8	- 8	-12	-15	-11	- 5	- 1	+ 1	+ 2	+ 4	+ 2	+ 2	+ 2	0	+ 2	+ 5	+ 5	+ 6	+ 7	+ 7	+10	5.1
MAY	III	+ 6	+ 4	0	- 6	-10	-14	-18	-14	- 7	- 1	+ 1	+ 2	+ 1	0	+ 2	+ 3	+ 4	+ 5	+ 5	+ 5	+ 5	+ 6	+ 8	+13	5.8
JUN[a]	III	+ 8	+ 8	+ 5	- 2	- 6	-12	-12	-10	- 6	- 1	- 2	0	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 2	+ 4	+ 3	+ 3	+ 5	+ 8	4.3
JUL	III	+12	+ 9	+ 6	+ 1	- 4	-12	-14	-11	- 7	- 1	+ 1	+ 1	0	- 2	- 3	- 2	- 2	- 1	+ 1	+ 2	+ 3	+ 5	+ 8	+12	5.0
AUG	III	+12	+11	+ 3	- 5	-11	-20	-24	-19	-11	- 3	+ 2	+ 2	+ 2	+ 2	+ 1	+ 1	+ 1	+ 2	+ 4	+ 5	+ 7	+10	+12	+18	7.8
SEP	II	+ 3	+ 2	+ 1	- 3	- 9	-10	- 8	- 7	- 6	- 2	0	+ 1	0	- 1	- 1	0	0	+ 1	+ 1	+ 2	+ 6	+ 7	+10	+13	3.9
OCT	II	+ 1	- 4	-11	-16	-18	-16	-11	- 4	0	+ 2	+ 3	+ 3	+ 4	+ 4	+ 3	+ 3	+ 2	+ 5	+ 5	+ 5	+ 6	+ 8	+12	+13	6.7
NOV	I	+ 3	0	- 5	- 5	- 4	- 3	0	+ 2	+ 3	0	- 2	- 2	- 4	- 3	- 4	- 3	- 2	- 2	0	+ 2	+ 3	+ 7	+10	+11	3.4
DEC	I	+ 7	+ 5	- 1	- 6	- 9	-10	- 6	+ 1	+ 7	+ 6	0	- 1	0	0	0	- 1	- 2	- 1	0	- 1	- 1	+ 2	+ 5	+ 6	3.3
MEANS	I	- 3.0	- 6.9	- 9.8	-10.0	- 8.1	- 6.2	- 2.3	+ 1.5	+ 4.5	+ 2.4	0.0	+ 0.2	+ 0.6	+ 1.2	+ 0.7	+ 0.7	+ 1.0	+ 1.0	+ 1.8	+ 2.7	+ 3.5	+ 5.4	+ 9.0	+ 9.7	3.8
	II	+ 0.6	- 4.2	- 8.2	-10.8	-12.6	-11.9	- 9.6	- 6.0	- 2.8	+ 0.1	+ 2.2	+ 2.9	+ 3.4	+ 3.2	+ 3.0	+ 2.8	+ 1.8	+ 3.2	+ 4.2	+ 5.0	+ 6.6	+ 7.4	+ 9.2	+10.9	5.5
	III	+ 9.5	+ 8.1	+ 3.4	- 3.1	- 7.9	-14.5	-16.8	-13.6	- 8.0	- 1.7	+ 0.3	+ 1.4	+ 0.9	0.0	+ 0.2	+ 0.7	+ 1.1	+ 1.9	+ 2.8	+ 4.0	+ 4.6	+ 6.0	+ 8.2	+12.3	5.5
	YEAR	+ 2.4	- 1.0	- 4.9	- 8.0	- 9.5	-10.8	- 9.6	- 6.0	- 2.1	+ 0.2	+ 0.8	+ 1.5	+ 1.6	+ 1.5	+ 1.3	+ 1.4	+ 1.3	+ 2.0	+ 2.9	+ 3.9	+ 4.9	+ 6.2	+ 8.8	+11.0	4.3

[a]Four days only--June 4, 23, 27 and 28

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-12	-12	- 4	+ 6	+21	+32	+50	+29	+44	+34	+ 7	+ 1	+ 7	+ 7	+16	+ 6	-17	- 8	-17	-33	-51	-42	-14	-51	21.7
FEB	I	+ 1	- 3	- 4	- 7	- 6	- 7	0	+ 4	+ 9	+13	+ 9	+ 6	+ 7	0	+ 5	+ 2	+ 7	+ 2	+ 1	- 8	-11	- 6	- 3	-12	5.5
MAR	II	+16	+10	+ 7	+ 6	+ 5	- 1	-14	- 8	-11	-19	- 9	- 7	- 4	0	- 7	- 6	- 1	+ 1	+ 7	+ 5	+12	+10	+ 7	- 1	7.3
APR	II	+24	+17	+10	+11	+10	+ 4	+23	+18	-23	-21	-20	-19	- 7	- 8	- 6	- 4	- 7	- 1	+ 1	+ 4	+ 4	- 2	- 6	- 2	10.5
MAY	III	+19	+16	+ 4	0	- 2	-15	-20	-19	-12	- 2	+ 2	- 6	- 6	- 5	- 5	- 6	0	+ 7	+21	+ 6	+11	+13	+ 6	- 7	8.8
JUN	III	+20	+18	+12	+ 3	- 6	-16	-22	-18	-15	-12	-11	- 5	0	- 2	- 3	- 1	+ 3	+ 1	+ 4	+12	+12	+10	+ 6	+ 8	9.2
JUL	III	+30	+30	+26	+21	+14	+ 2	- 5	-15	-20	-23	-21	-18	-11	-21	-12	- 7	- 4	+ 1	+ 8	+10	+ 3	+ 9	+ 1	+ 5	13.2
AUG	III	+31	+27	+24	+19	+15	+ 8	- 4	- 6	-10	-18	-21	-21	-14	-18	-21	-18	- 9	- 7	- 3	- 2	- 2	+ 8	+22	+17	14.4
SEP	II	+38	+21	+ 2	- 7	- 7	-10	- 6	- 2	- 9	- 8	-14	-13	-16	- 4	-11	- 7	-10	- 6	- 1	+ 8	+11	+12	+18	+23	11.0
OCT	II	+21	+13	+ 6	-10	-21	-10	+ 2	+17	+13	+ 3	- 4	-11	-13	-10	-10	-15	-10	- 5	0	+ 5	+12	+ 9	+11	+ 9	10.0
NOV	I	+18	+11	+ 3	+ 6	+ 9	+ 8	+ 6	+ 4	+ 6	+ 5	- 1	- 5	- 7	-12	-10	- 4	-15	- 8	- 7	- 6	- 3	+ 3	0	- 3	6.7
DEC	I	+18	+16	+12	+10	+10	+ 9	+ 8	+ 6	+ 7	+ 7	+ 5	+ 7	+ 5	+ 1	+ 3	-10	-13	0	-15	-19	-15	-15	-16	-19	10.2
MEANS	I	+ 6.2	+ 2.8	+ 1.9	+ 3.8	+ 8.6	+10.5	+16.0	+10.8	+16.6	+14.6	+ 5.0	+ 2.3	+ 2.9	- 1.0	+ 3.3	- 1.4	- 9.5	- 3.4	- 9.4	-16.4	-20.0	-14.8	- 8.5	-21.1	8.8
	II	+24.6	+15.1	+ 6.1	0.0	- 3.1	- 4.4	+ 1.2	+ 6.4	- 7.6	-11.2	-11.6	-12.6	- 9.8	- 5.5	- 8.6	- 8.2	- 7.2	- 2.8	+ 1.9	+ 5.4	+10.0	+ 7.4	+ 7.4	+ 7.5	7.7
	III	+25.1	+22.7	+16.4	+10.8	+ 5.2	- 5.0	-12.6	-14.2	-14.4	-13.8	-12.8	-12.6	- 8.0	-11.8	-10.6	- 8.0	- 2.6	+ 0.4	+ 7.6	+ 6.9	+ 6.2	+ 9.8	+ 8.7	+ 6.0	10.5
	YEAR	+18.6	+13.6	+ 8.1	+ 4.8	+ 3.6	+ 0.4	+ 1.5	+ 1.0	- 1.9	- 3.4	- 6.5	- 7.6	- 5.0	- 6.1	- 5.3	- 5.9	- 6.4	- 1.9	0.0	- 1.4	- 1.3	+ 0.8	+ 2.5	- 2.5	4.6

TABLE 372

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H. Z TOWARD NADIR. X NORTHWARD. Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 7	- 3	- 3	- 2	- 4	-11	-21	-30	-38	-36	-25	- 5	+13	+28	+39	+38	+28	+20	+11	+ 8	+ 5	0	- 1	- 5	15.9
FEB	I	- 6	- 4	- 3	- 3	- 3	- 8	-22	-39	-49	-46	-30	- 7	+18	+34	+44	+41	+32	+20	+14	+10	+ 6	+ 2	- 1	- 1	18.4
MAR	II	- 3	- 4	- 5	- 2	0	- 2	- 8	-19	-29	-34	-29	-18	0	+16	+26	+30	+27	+18	+13	+10	+ 6	+ 4	0	- 1	12.6
APR	II	- 3	- 2	- 1	+ 1	- 1	- 1	- 7	-17	-27	-32	-27	-15	+ 3	+17	+24	+26	+26	+18	+12	+ 8	+ 4	- 1	- 3	- 2	11.6
MAY	III	- 4	- 4	- 4	- 2	- 1	0	0	- 1	-12	-23	-23	-15	- 2	+ 9	+19	+25	+23	+14	+10	+ 5	+ 1	- 3	- 6	- 5	8.8
JUN[a]	III	- 4	- 3	- 1	+ 1	+ 1	+ 2	+ 2	+ 2	- 2	- 9	-13	-10	- 4	+ 4	+11	+16	+13	+ 7	+ 3	0	- 2	- 4	- 5	- 6	5.2
JUL	III	- 6	- 4	- 4	- 4	- 3	- 1	+ 1	+ 4	- 5	-14	-20	-18	- 9	+ 2	+14	+23	+23	+13	+ 9	+ 6	+ 1	- 3	- 4	- 5	8.1
AUG	III	- 4	- 4	- 3	- 2	0	+ 2	+ 6	+ 4	- 9	-22	-29	-25	-15	0	+16	+27	+27	+18	+12	+ 8	+ 3	0	- 3	- 5	10.1
SEP	II	- 7	- 5	- 4	- 3	0	+ 1	- 2	-12	-27	-36	-33	-19	0	+17	+28	+32	+25	+19	+14	+10	+ 6	+ 1	- 3	- 4	12.8
OCT	II	- 4	- 2	- 1	+ 1	+ 1	- 2	-12	-26	-39	-46	-39	-19	+ 9	+31	+40	+38	+29	+20	+14	+10	+ 3	0	- 1	- 5	16.3
NOV	I	- 3	- 3	- 1	0	- 1	- 7	-18	-30	-39	-41	-33	-15	+ 7	+26	+37	+37	+30	+22	+13	+10	+ 6	+ 4	- 2	- 1	16.1
DEC	I	- 4	- 7	- 7	- 7	- 6	- 9	-16	-25	-33	-36	-29	-14	+ 5	+20	+32	+35	+29	+23	+18	+13	+11	+ 7	+ 2	- 1	16.1
MEANS	I	- 4.7	- 4.2	- 3.2	- 2.7	- 3.6	- 8.9	-19.4	-30.8	-39.6	-39.7	-29.4	-10.2	+10.7	+27.1	+38.1	+37.8	+29.8	+21.0	+14.0	+10.2	+ 7.2	+ 3.1	- 0.4	- 1.9	16.6
	II	- 4.1	- 3.2	- 2.7	- 0.8	0.0	- 1.2	- 7.0	-18.3	-30.0	-36.8	-32.1	-17.8	+ 2.9	+20.2	+29.4	+31.4	+26.8	+18.6	+13.3	+10.0	+ 5.0	+ 1.1	- 1.8	- 2.9	13.2
	III	- 4.5	- 3.6	- 2.8	- 1.6	- 0.8	+ 0.7	+ 2.3	+ 2.4	- 6.9	-17.0	-21.3	-17.0	- 7.4	+ 3.7	+14.7	+22.7	+21.3	+13.0	+ 8.4	+ 4.7	+ 0.7	- 2.4	- 4.7	- 5.2	7.9
	YEAR	- 4.4	- 3.7	- 2.9	- 1.7	- 1.4	- 3.1	- 8.0	-15.6	-25.6	-31.2	-27.6	-15.0	+ 2.1	+17.0	+27.4	+30.6	+26.0	+17.6	+11.9	+ 8.3	+ 4.3	+ 0.6	- 2.3	- 3.4	12.2

[a]Twenty-nine days only--June 1-14, 16-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 5	- 1	0	0	- 2	-10	-23	-34	-40	-37	-24	- 5	+13	+27	+38	+36	+26	+16	+10	+10	+ 8	+ 3	- 4	- 2	15.5
FEB	I	- 1	- 1	- 3	- 3	- 5	-10	-22	-41	-54	-54	-38	-12	+17	+37	+48	+46	+35	+19	+10	+ 9	+ 9	+ 7	+ 4	+ 2	20.3
MAR	II	0	- 2	- 4	- 3	- 3	- 5	-10	-21	-31	-35	-31	-19	- 2	+13	+24	+29	+28	+21	+14	+12	+ 9	+ 8	+ 5	+ 4	13.8
APR	II	- 1	0	+ 1	+ 1	0	- 1	- 6	-15	-26	-32	-28	-16	+ 2	+15	+22	+24	+21	+14	+11	+ 8	+ 6	+ 2	0	0	10.5
MAY	III	- 1	0	+ 1	0	0	- 1	- 2	- 4	-14	-23	-24	-15	- 2	+ 9	+15	+21	+19	+11	+ 7	+ 4	+ 2	0	- 2	- 1	7.4
JUN	III	- 1	0	0	+ 1	+ 1	+ 1	+ 1	+ 3	- 2	-10	-15	-13	- 5	+ 2	+11	+15	+12	+ 6	+ 3	+ 1	- 2	- 2	- 4	- 4	4.8
JUL	III	- 4	- 3	- 2	0	+ 1	+ 1	+ 2	+ 2	- 4	-14	-21	-20	-12	0	+12	+20	+19	+11	+ 6	+ 5	+ 3	0	- 1	- 1	6.8
AUG	III	- 1	- 2	- 1	+ 1	+ 1	+ 2	+ 3	0	-13	-27	-31	-26	-14	+ 4	+20	+27	+24	+14	+ 7	+ 6	+ 4	+ 2	0	- 1	9.7
SEP	II	- 3	- 1	0	+ 1	+ 1	0	- 3	-13	-29	-38	-36	-23	- 1	+16	+28	+29	+22	+17	+12	+10	+ 7	+ 3	+ 1	- 1	12.4
OCT	II	+ 1	+ 3	+ 2	+ 4	+ 1	- 4	-14	-30	-46	-52	-46	-23	+ 8	+30	+40	+38	+28	+18	+13	+11	+ 7	+ 6	+ 4	+ 1	18.0
NOV	I	0	+ 1	+ 2	+ 1	+ 1	- 6	-18	-31	-42	-46	-40	-22	+ 3	+26	+39	+40	+31	+22	+13	+10	+ 8	+ 6	+ 2	0	17.0
DEC	I	- 1	- 1	- 1	- 2	- 3	- 8	-12	-20	-28	-33	-28	-16	- 1	+13	+22	+24	+22	+18	+15	+14	+11	+ 9	+ 4	+ 2	12.9
MEANS	I	- 1.8	- 0.4	- 0.4	- 0.8	- 2.5	- 8.5	-18.8	-31.3	-41.2	-42.4	-32.6	-13.5	+ 8.0	+25.6	+36.3	+36.5	+28.6	+18.9	+12.3	+11.0	+ 9.2	+ 6.0	+ 1.7	+ 0.6	16.2
	II	- 0.9	- 0.1	0.0	+ 0.5	- 0.1	- 2.4	- 8.4	-19.8	-33.0	-39.5	-35.2	-20.4	+ 1.6	+18.6	+28.2	+30.2	+24.8	+17.2	+12.6	+10.2	+ 7.0	+ 5.0	+ 2.8	+ 1.1	13.3
	III	- 1.9	- 1.2	- 0.2	+ 0.8	+ 0.8	+ 0.9	+ 0.9	+ 0.2	- 8.4	-18.2	-22.8	-18.6	- 8.2	+ 3.6	+14.3	+20.8	+18.4	+10.5	+ 5.8	+ 4.0	+ 1.6	- 0.1	- 1.5	- 1.9	6.9
	YEAR	- 1.5	- 0.6	- 0.2	+ 0.2	- 0.6	- 3.4	- 8.7	-17.0	-27.5	-33.4	-30.2	-17.5	+ 0.5	+15.9	+26.3	+29.2	+23.9	+15.5	+10.2	+ 8.4	+ 5.9	+ 3.6	+ 1.0	0.0	11.7

TABLE 372--CONCLUDED

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-16	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-37	-35	-25	-10	+ 6	+23	+38	+40	+29	+17	+11	+10	+ 8	+ 2	- 2	0	- 2	- 1	0	0	- 4	-12	-22	-34	15.3
FEB	I	-55	-54	-40	-14	+16	+38	+48	+46	+34	+18	+ 9	+10	+ 8	+ 7	+ 5	+ 3	+ 2	0	- 1	- 2	- 5	-10	-21	-40	20.1
MAR	II	-36	-40	-36	-22	- 2	+14	+25	+30	+29	+21	+14	+12	+ 8	+ 7	+ 5	+ 4	+ 2	+ 1	0	- 1	- 2	- 5	-10	-18	14.5
APR	II	-25	-33	-31	-20	- 2	+12	+22	+25	+22	+14	+11	+ 8	+ 6	+ 4	+ 2	+ 1	+ 1	+ 1	+ 1	0	- 1	- 2	- 5	-14	11.0
MAY	III	-14	-23	-23	-16	- 3	+ 8	+14	+21	+18	+11	+ 6	+ 4	+ 2	0	- 1	0	+ 1	+ 1	+ 2	0	- 1	0	- 3	- 5	7.4
JUN[a]	III	0	-10	-16	-14	- 6	- 1	+ 9	+14	+11	+ 6	+ 4	+ 2	0	- 1	- 1	- 2	- 2	0	0	+ 2	0	+ 1	+ 2	+ 3	4.4
JUL	III	- 3	-14	-22	-22	-14	- 4	+ 7	+15	+18	+11	+ 6	+ 5	+ 3	0	0	- 1	0	0	+ 1	+ 2	+ 2	+ 2	+ 2	+ 4	6.6
AUG	III	-12	-26	-33	-29	-17	+ 2	+18	+28	+24	+12	+ 6	+ 6	+ 4	+ 2	+ 1	0	0	+ 1	+ 2	+ 3	+ 2	+ 3	+ 4	0	9.9
SEP	II	-34	-43	-40	-25	- 2	+18	+29	+30	+22	+17	+13	+11	+ 8	+ 5	+ 3	0	0	+ 1	+ 2	+ 2	+ 2	+ 2	- 2	-17	13.6
OCT	II	-46	-54	-48	-21	+12	+35	+44	+40	+28	+17	+13	+10	+ 3	+ 4	+ 3	+ 2	+ 1	+ 1	+ 1	+ 1	0	- 4	-14	-27	17.9
NOV	I	-40	-43	-38	-20	+ 5	+27	+39	+38	+28	+18	+10	+ 8	+ 7	+ 5	+ 3	+ 3	+ 3	+ 2	+ 2	+ 1	- 2	- 8	-18	-31	16.6
DEC	I	-28	-30	-25	-13	+ 2	+16	+26	+26	+24	+18	+14	+13	+11	+ 9	+ 5	+ 3	+ 1	- 1	- 1	- 3	- 7	-13	-20	-30	14.1
MEANS	I	-39.6	-40.5	-31.8	-14.0	+ 7.0	+26.0	+37.6	+37.4	+28.9	+17.7	+11.0	+10.4	+ 8.4	+ 5.6	+ 2.9	+ 2.0	+ 0.9	+ 0.3	- 0.2	- 1.0	- 4.4	-10.7	-20.2	-33.8	16.3
	II	-35.3	-42.8	-38.4	-22.0	+ 1.6	+19.9	+30.0	+31.2	+25.1	+17.3	+12.6	+10.2	+ 6.3	+ 5.0	+ 3.6	+ 2.0	+ 1.1	+ 1.0	+ 0.8	+ 0.4	- 0.5	- 2.4	- 7.7	-19.0	14.0
	III	- 7.2	-18.2	-23.6	-20.1	-10.0	+ 1.2	+12.0	+19.5	+17.8	+10.0	+ 5.5	+ 4.3	+ 2.3	+ 0.4	- 0.3	- 0.5	- 0.2	+ 0.5	+ 1.2	+ 1.6	+ 1.1	+ 1.7	+ 1.2	+ 0.3	6.7
	YEAR	-27.4	-33.8	-31.3	-18.7	- 0.5	+15.7	+26.5	+29.4	+23.9	+15.0	+ 9.7	+ 8.3	+ 5.7	+ 3.7	+ 2.0	+ 1.2	+ 0.6	+ 0.6	+ 0.6	+ 0.3	- 1.3	- 3.8	- 8.9	-17.5	11.9

[a]Four days only--June 4, 23, 27 and 28

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-43	-33	-20	+ 2	+21	+34	+50	+44	+42	+37	+15	+12	+ 2	+ 2	+13	- 4	-15	- 6	-13	-18	-15	-25	-37	-45	22.8
FEB	I	-50	-46	-32	- 7	+25	+41	+60	+52	+39	+26	+20	+14	0	- 1	- 2	- 3	-22	-16	-13	-10	- 5	- 7	-23	-39	23.0
MAR	II	- 9	-21	-17	- 8	+ 7	+21	+33	+32	+27	+ 2	+ 8	+11	0	-12	-14	-14	-13	-14	-17	- 2	+ 7	+ 3	0	-10	12.7
APR	II	-23	-31	-27	-14	+ 2	+18	+22	+25	+43	+25	+15	+ 7	- 3	- 4	-10	- 5	- 9	- 5	- 3	- 2	- 5	+ 2	+ 3	+16	13.2
MAY	III	-14	-24	-16	- 8	+ 3	+15	+28	+35	+36	+25	+18	+ 4	- 1	- 9	-21	-17	-15	-16	-21	-12	- 7	0	+ 3	+14	15.1
JUN	III	+ 2	- 3	- 5	- 4	+ 1	+ 8	+11	+14	+13	+ 6	+ 1	- 8	- 8	- 7	- 9	-10	- 8	- 8	- 5	+ 3	+ 6	+ 8	+ 4	+ 2	6.5
JUL	III	0	-10	-15	-13	- 2	+ 9	+22	+36	+37	+21	+22	+18	+ 1	-10	-13	-13	-16	- 8	-17	-19	-19	- 7	- 4	+ 2	13.9
AUG	III	- 9	-18	-26	-26	-18	- 3	+16	+32	+35	+28	+26	+10	- 4	-10	-18	-19	-14	- 9	- 5	- 6	- 1	+ 8	+24	+12	15.6
SEP	II	-24	-36	-32	-14	+ 5	+20	+35	+46	+31	+25	+20	+10	+ 6	- 8	-12	-15	-25	-18	-22	-12	+ 5	+ 4	+11	- 2	18.3
OCT	II	-25	-33	-28	-15	+ 9	+32	+39	+37	+34	+25	+16	+13	+ 2	-11	-11	-17	-15	-12	-11	- 1	+ 5	+ 1	- 8	-24	17.7
NOV	I	-33	-36	-25	- 5	+19	+35	+43	+44	+38	+31	+16	+ 6	- 3	- 6	-17	- 7	-14	-10	- 7	- 2	+ 1	- 9	-26	-34	19.4
DEC	I	-32	-35	-23	- 4	+15	+29	+41	+46	+40	+34	+26	+18	+16	+ 9	- 1	- 9	-12	-24	-26	-31	-11	-12	-22	-30	22.7
MEANS	I	-39.7	-37.4	-25.0	- 3.5	+19.8	+34.8	+48.4	+46.4	+39.6	+31.9	+19.4	+12.1	+ 3.7	+ 1.0	- 2.0	- 5.8	-15.8	-13.9	-14.5	-15.0	- 7.6	-13.5	-27.0	-36.8	21.4
	II	-20.2	-30.4	-26.2	-12.9	+ 5.8	+22.6	+32.2	+35.1	+33.7	+19.4	+14.7	+10.2	+ 1.3	- 8.8	-11.7	-12.7	-15.4	-12.4	-13.1	- 4.4	+ 3.1	+ 2.6	+ 0.1	-12.8	15.1
	III	- 5.4	-13.6	-15.7	-12.9	- 4.1	+ 7.1	+19.3	+29.0	+30.2	+19.9	+16.4	+ 5.8	- 3.0	-9.0	-15.3	-15.0	-13.3	-10.4	-11.9	- 8.4	- 5.4	+ 1.9	+ 6.8	+ 7.2	12.0
	YEAR	-21.8	-27.1	-223.	- 9.8	+ 7.2	+21.5	+33.3	+36.8	+34.5	+23.8	+16.8	+ 9.4	+ 0.7	- 5.6	- 9.6	-11.1	-14.8	-12.2	-13.2	- 9.2	- 3.3	- 3.0	- 6.7	-14.1	15.3

TABLE 373

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN H Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-13	- 5	- 2	0	0	- 5	- 9	-14	-14	- 1	+15	+31	+39	+42	+35	+17	- 1	-13	-19	-17	-16	-18	-16	-15	15.0
FEB	I	-13	- 9	- 5	- 4	- 3	- 7	-18	-25	-21	- 3	+19	+37	+46	+44	+36	+19	+ 2	-12	-13	-11	-14	-17	-16	-13	17.1
MAR	II	- 9	- 8	- 6	- 2	0	- 2	- 9	-16	-17	-12	+ 4	+20	+31	+36	+32	+22	+ 9	- 5	- 8	-10	-13	-12	-13	-12	12.8
APR	II	- 8	- 6	- 3	- 1	- 2	- 3	- 8	-12	-12	- 7	+ 4	+20	+33	+34	+28	+19	+ 6	- 5	-10	-12	-15	-16	-14	-10	12.0
MAY	III	- 5	- 3	- 1	0	+ 1	+ 1	+ 1	- 1	- 8	- 9	- 3	+ 9	+17	+20	+20	+14	+ 4	- 3	- 6	- 9	-11	-12	-11	- 8	7.4
JUN[a]	III	- 2	- 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 3	- 2	- 6	- 3	- 4	+ 9	+11	+12	+ 9	+ 1	- 4	- 6	- 7	- 7	- 7	- 7	- 5	4.8
JUL	III	- 6	- 3	- 1	0	+ 1	+ 3	+ 4	+ 6	- 2	- 6	- 5	+ 3	+12	+17	+19	+15	+ 6	- 4	- 6	- 8	-11	-13	-11	- 8	7.1
AUG	III	- 7	- 4	- 2	0	+ 1	+ 3	+ 6	+ 1	- 9	-12	-10	0	+13	+23	+26	+22	+10	- 1	- 4	- 8	-11	-12	-12	-11	8.7
SEP	II	-11	- 6	- 4	- 1	+ 1	+ 1	- 2	- 9	-16	-12	+ 1	+19	+32	+36	+30	+20	+ 4	- 4	- 8	-11	-15	-16	-16	-14	12.1
OCT	II	- 9	- 5	- 3	0	0	- 4	-11	-19	-22	-16	+ 4	+29	+44	+47	+38	+20	+ 3	- 8	-11	-14	-18	-18	-15	-14	15.5
NOV	I	- 9	- 6	- 3	- 2	- 3	- 7	-13	-17	-16	- 8	+ 7	+26	+38	+40	+31	+16	+ 3	- 5	-11	-12	-13	-13	-14	-10	13.4
DEC	I	-12	-10	- 8	- 6	- 4	- 6	- 8	-11	-11	- 6	+ 7	+21	+31	+35	+30	+20	+ 8	- 3	- 8	-10	-11	-13	-13	-14	12.7
MEANS	I	-11.7	- 7.4	- 4.5	- 2.8	- 2.6	- 6.2	-12.0	-16.8	-15.4	- 4.6	+12.0	+28.8	+38.7	+40.3	+33.2	+18.2	+ 3.0	- 8.2	-12.8	-12.7	-13.5	-15.4	-14.6	-13.0	14.5
	II	- 9.5	- 6.3	- 3.9	- 1.0	0.0	- 2.2	- 7.4	-14.0	-16.7	-11.7	+ 3.4	+21.7	+35.0	+38.2	+32.2	+20.5	+ 5.5	- 5.4	- 9.2	-11.9	-15.0	-15.6	-14.4	-12.3	13.0
	III	- 4.9	- 2.8	- 0.7	+ 0.7	+ 1.3	+ 2.2	+ 3.2	+ 2.3	- 5.1	- 8.3	- 5.4	+ 3.8	+12.4	+17.7	+19.3	+15.3	+ 5.5	- 3.2	- 5.4	- 7.9	- 9.8	-11.0	-10.3	- 8.2	7.0
	YEAR	- 8.7	- 5.5	- 3.0	- 1.0	- 0.4	- 2.0	- 5.4	- 9.5	-12.4	- 8.2	+ 3.3	+18.1	+28.7	+32.1	+28.2	+18.0	+ 4.6	- 5.6	- 9.2	-10.8	-12.8	-14.0	-13.1	-11.2	11.1

[a]Twenty-nine days only--June 1-14, 16-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 8	- 3	- 2	- 2	- 3	-11	-19	-20	-17	- 3	+15	+31	+37	+40	+32	+15	- 3	-12	-13	-10	- 9	-11	-14	- 9	14.1
FEB	I	-14	- 9	- 7	- 6	- 7	-11	-22	-32	-29	-12	+14	+38	+51	+51	+42	+25	+ 5	-10	-13	-10	- 9	-11	-13	-12	18.8
MAR	II	-11	- 9	- 8	- 6	- 4	- 7	-12	-20	-21	-14	0	+17	+28	+36	+34	+26	+13	+ 2	- 4	- 6	- 8	- 9	- 9	- 8	13.0
APR	II	- 8	- 5	- 4	- 3	- 3	- 5	- 9	-14	-17	-12	0	+17	+30	+31	+25	+18	+ 7	- 1	- 4	- 6	- 9	-10	-10	- 8	10.6
MAY	III	- 5	- 4	- 2	- 2	- 1	- 2	- 2	- 4	-10	-11	- 4	+ 7	+18	+20	+18	+13	+ 4	- 2	- 3	- 5	- 6	- 6	- 6	- 4	6.7
JUN	III	- 1	0	0	+ 1	0	- 1	0	+ 1	- 4	- 9	- 6	+ 2	+ 8	+12	+13	+10	+ 1	- 3	- 3	- 4	- 4	- 4	- 4	- 3	3.9
JUL	III	- 5	- 4	- 2	- 1	0	0	+ 1	+ 2	- 4	- 8	- 9	- 1	+11	+16	+19	+15	+ 6	- 2	- 4	- 5	- 6	- 8	- 6	- 5	5.8
AUG	III	- 6	- 5	- 2	0	+ 1	0	+ 1	- 3	-13	-16	-11	0	+14	+24	+26	+21	+10	- 1	- 3	- 5	- 6	- 8	- 9	- 8	8.1
SEP	II	-10	- 7	- 6	- 5	- 4	- 5	- 8	-15	-21	-16	0	+20	+35	+39	+30	+19	+ 5	- 2	- 4	- 6	- 9	-11	-10	- 9	12.4
OCT	II	- 9	- 5	- 4	- 3	- 5	-10	-17	-26	-30	-22	0	+28	+46	+48	+38	+21	+ 4	- 5	- 6	- 7	-10	- 9	- 9	- 9	15.5
NOV	I	- 8	- 6	- 4	- 4	- 5	- 9	-16	-22	-21	-14	+ 4	+24	+41	+45	+36	+20	+ 5	- 6	-10	- 9	-10	-10	-11	-10	14.5
DEC	I	-10	- 8	- 6	- 6	- 6	- 8	-10	-13	-14	-10	0	+13	+22	+27	+27	+22	+14	+ 5	- 2	- 4	- 6	- 8	- 9	- 9	10.8
MEANS	I	-10.0	- 6.6	- 4.8	- 4.5	- 5.2	- 9.9	-16.6	-21.7	-20.2	- 9.7	+ 6.1	+26.4	+37.6	+40.6	+34.1	+20.3	+ 5.2	- 5.7	- 9.6	- 8.2	- 8.6	-10.1	-11.6	- 9.9	14.4
	II	- 9.4	- 6.3	- 5.2	- 4.1	- 4.0	- 6.6	-11.7	-18.8	-22.1	-16.1	0.0	+20.3	+34.8	+38.1	+32.1	+21.2	+ 7.4	- 1.8	- 4.7	- 6.6	- 8.8	- 9.6	- 9.5	- 8.7	12.8
	III	- 4.5	- 3.2	- 1.4	- 0.6	- 0.3	- 0.7	0.0	- 0.9	- 7.7	-10.9	- 7.6	+ 2.0	+12.6	+18.0	+18.9	+14.6	+ 5.4	- 1.9	- 3.4	- 4.4	- 5.6	- 6.5	- 6.4	- 5.1	6.0
	YEAR	- 8.0	- 5.4	- 3.8	- 3.1	- 3.2	- 5.8	- 9.4	-13.8	-16.6	-12.2	+ 0.2	+16.2	+28.4	+32.2	+28.4	+18.7	+ 6.0	- 3.1	- 5.9	- 6.4	- 7.7	- 8.7	- 9.2	- 7.9	10.8

TABLE 373--CONCLUDED

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-15	- 5	+10	+24	+33	+40	+35	+20	+ 1	-12	-13	- 9	-10	-12	-13	- 8	- 6	- 4	- 3	- 2	- 6	-12	-16	-18	13.6
FEB	I	-29	-11	+13	+36	+51	+52	+43	+25	+ 6	-10	-14	-10	-10	-12	-13	-13	-11	- 9	- 8	- 7	- 7	-11	-20	-31	16.8
MAR	II	-30	-24	- 3	+18	+32	+41	+38	+28	+14	+ 1	- 4	- 7	- 9	-10	-10	-10	- 9	- 8	- 6	- 4	- 3	- 7	-11	-19	14.4
APR	II	-19	-15	- 2	+17	+31	+32	+26	+18	+ 7	- 1	- 5	- 7	-10	-10	-10	- 8	- 7	- 4	- 2	- 2	- 4	- 5	- 8	-13	11.0
MAY	III	-10	-12	- 6	+ 6	+17	+19	+17	+14	+ 5	- 2	- 3	- 5	- 5	- 7	- 6	- 3	- 2	- 2	- 1	- 2	- 2	- 2	- 2	- 4	6.5
JUN[a]	III	- 4	- 9	- 7	0	+ 6	+10	+13	+10	+ 1	- 3	- 4	- 4	- 5	- 4	- 3	- 2	0	+ 1	+ 1	+ 2	0	0	+ 1	+ 2	3.8
JUL	III	- 6	-12	-11	0	+10	+16	+20	+18	+ 9	- 1	- 4	- 6	- 7	- 9	- 7	- 6	- 3	- 2	0	- 1	0	0	0	0	6.1
AUG	III	-14	-18	-14	- 3	+11	+23	+26	+22	+11	- 1	- 3	- 4	- 6	- 7	- 8	- 7	- 5	- 4	- 2	0	+ 1	+ 1	+ 2	- 3	8.2
SEP	II	-27	-21	- 2	+21	+36	+43	+35	20	+ 5	- 2	- 5	- 7	-10	-12	-10	-10	- 8	- 6	- 5	- 4	- 3	- 4	- 9	-18	13.5
OCT	II	-30	-22	+ 1	+31	+50	+49	+37	+18	+ 2	- 6	- 7	- 8	-12	-10	- 9	- 8	- 8	- 6	- 5	- 4	- 5	- 8	-15	-23	15.6
NOV	I	-20	-11	+ 4	+26	+41	+44	+34	+17	+ 2	- 8	-11	- 9	- 9	- 9	-10	- 9	- 7	- 6	- 5	- 4	- 6	- 8	-15	-21	14.1
DEC	I	-13	- 8	+ 2	+13	+21	+28	+28	+21	+13	+ 2	- 5	- 6	- 7	- 8	- 9	- 8	- 7	- 6	- 4	- 4	- 5	- 8	-12	-15	10.6
MEANS	I	-19.2	- 9.0	+ 7.4	+24.6	+36.6	+41.0	+35.2	+20.9	+ 5.3	- 7.0	-10.4	- 8.4	- 9.2	-10.2	-11.1	- 9.6	- 7.8	- 6.4	- 5.4	- 4.5	- 6.0	- 9.7	-15.7	-21.4	14.2
	II	-26.3	-20.4	- 1.4	+21.6	+37.7	+41.2	+34.1	+21.3	+ 7.0	- 2.2	- 5.2	- 7.3	-10.1	-10.3	- 9.8	- 9.1	- 7.8	- 6.0	- 4.4	- 3.6	- 3.8	- 6.1	-10.7	-18.1	13.6
	III	- 8.4	-12.5	- 9.2	+ 0.5	+11.2	+16.9	+19.1	+16.2	+ 6.4	- 1.8	- 3.8	- 4.5	- 5.8	- 6.6	- 5.8	- 4.5	- 2.6	- 1.6	- 0.6	- 0.3	- 0.2	- 0.3	+ 0.2	- 1.4	5.9
	YEAR	-16.0	-14.0	- 1.1	+15.6	+28.5	+33.0	+29.4	+19.5	+ 6.2	- 3.7	- 6.5	- 6.8	- 8.3	- 9.0	- 8.9	- 7.7	- 6.1	- 4.7	- 3.4	- 2.8	- 3.3	- 5.4	- 8.7	-13.6	11.0

[a] Four days only--June 4, 23, 27 and 28

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 3	+32	+46	+60	+61	+60	+56	+26	+ 8	-16	-47	-43	-43	-40	-21	-31	-41	-18	-16	-13	- 5	- 7	+ 3	+14	29.6
FEB	I	-19	0	+23	+42	+56	+50	+44	+23	+ 4	-10	-14	-16	-25	-25	-18	-18	-26	+18	- 9	- 6	- 2	- 3	-14	-21	20.2
MAR	II	+ 6	+ 4	+16	+24	+30	+29	+21	+12	- 3	-28	-18	-13	-19	-23	-23	-18	-10	-10	- 6	+ 6	+15	+10	+ 3	- 5	14.6
APR	II	- 6	- 3	+ 9	+25	+40	+42	+41	+28	+ 6	-14	-21	-28	-30	-27	-21	-12	-14	- 6	0	+ 2	+ 2	+ 3	- 5	-10	16.5
MAY	III	- 1	+ 2	+ 9	+17	+20	+20	+20	+15	+ 4	- 6	- 9	-22	-22	-23	-25	-18	-10	- 6	- 1	0	+ 4	+12	+10	+ 8	11.8
JUN	III	+ 3	0	+ 1	+ 6	+10	+10	+ 7	+ 5	- 2	- 9	-11	-14	-10	-10	- 8	- 6	- 1	- 1	+ 3	+ 8	+ 9	+ 6	+ 2	+ 1	6.0
JUL	III	+ 6	0	+ 4	+12	+20	+24	+24	+18	+ 6	-12	-12	-16	-22	-30	-23	-17	-13	- 4	- 4	0	+ 2	+12	+11	+14	12.8
AUG	III	- 2	- 4	- 4	+ 5	+14	+23	+29	+26	+10	- 6	-10	-20	-23	-23	-24	-20	- 9	- 3	0	0	+ 1	+ 9	+22	+ 7	12.3
SEP	II	- 2	- 5	+ 3	+21	+34	+38	+36	+28	- 2	-12	-19	-25	-30	-28	-28	-23	-25	-12	- 8	+ 5	+18	+13	+17	+ 6	18.3
OCT	II	- 6	- 4	+10	+28	+41	+45	+38	+22	+ 6	-10	-19	-24	-30	-35	-26	-25	-17	- 7	0	+ 7	+13	+ 6	- 1	-13	18.1
NOV	I	-10	- 3	+17	+39	+52	+49	+34	+17	+ 4	- 6	-17	-23	-27	-27	-29	-13	-17	- 7	0	+ 2	+ 3	- 4	-15	-18	18.0
DEC	I	- 6	+ 1	+16	+32	+40	+41	+32	+21	+13	- 4	-10	-15	-15	-19	-22	-26	-24	-19	-19	-15	+ 3	+ 1	- 1	- 4	16.6
MEANS	I	- 7.8	+ 7.7	+25.5	+43.3	+52.0	+50.0	+41.6	+21.8	+ 7.2	- 9.1	-22.1	-24.3	-27.5	-27.7	-22.6	-22.0	-26.7	-15.0	-11.1	- 8.0	- 0.3	- 3.1	- 7.0	-14.1	20.7
	II	- 1.9	- 1.9	+ 9.4	+24.4	+36.1	+38.7	+33.9	+22.4	+ 1.9	-16.1	-19.2	-22.3	-27.1	-26.3	-24.4	-19.9	-16.6	- 8.6	- 3.7	+ 5.4	+11.7	+ 8.1	+ 3.4	- 5.2	16.3
	III	+ 1.4	- 0.5	+ 2.6	+10.0	+18.0	+19.4	+20.1	+16.0	+ 4.5	- 8.2	-10.4	-16.0	-19.4	-21.2	-20.0	-15.1	- 8.2	- 3.4	- 0.5	+ 2.3	+ 4.0	+ 9.7	+11.4	+ 7.6	10.4
	YEAR	- 2.8	+ 1.8	+12.5	+25.9	+34.7	+36.0	+31.8	+20.1	+ 4.5	-11.1	-17.2	-21.6	-24.7	-25.8	-22.3	-19.0	-17.2	- 9.0	- 5.1	- 0.1	+ 5.1	+ 4.9	+ 2.6	- 3.9	15.0

TABLE 374

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+12	+ 6	+ 3	0	+ 1	+ 5	+11	+12	+10	- 3	-20	-34	-39	-37	-29	-14	+ 3	+13	+17	+15	+16	+18	+16	+15	14.6
FEB	I	+14	+ 9	+ 6	+ 5	+ 5	+ 9	+19	+25	+17	- 1	-21	-38	-46	-43	-35	-19	- 2	+11	+13	+12	+15	+16	+15	+13	17.0
MAR	II	+10	+ 9	+ 8	+ 5	+ 4	+ 6	+12	+17	+16	+ 8	- 7	-21	-31	-36	-34	-24	-11	+ 2	+ 6	+ 9	+11	+13	+13	+12	13.6
APR	II	+ 9	+ 6	+ 5	+ 4	+ 5	+ 5	+ 9	+14	+15	+ 9	- 4	-19	-33	-35	-28	-19	-10	+ 1	+ 6	+10	+13	+14	+13	+10	12.4
MAY	III	+ 5	+ 5	+ 4	+ 3	+ 3	+ 2	+ 3	+ 5	+12	+13	+ 4	-10	-20	-25	-26	-20	- 8	+ 2	+ 5	+ 8	+ 9	+10	+10	+ 7	9.1
JUN[a]	III	+ 2	+ 1	0	0	0	+ 1	+ 1	+ 1	+ 7	+ 9	+ 6	- 3	-10	-14	-17	-13	- 4	+ 2	+ 4	+ 6	+ 6	+ 6	+ 5	+ 4	5.1
JUL	III	+ 5	+ 3	+ 2	+ 2	+ 1	0	0	0	+ 8	+12	+10	0	-11	-20	-23	-20	-10	+ 1	+ 3	+ 5	+ 8	+ 9	+ 8	+ 6	7.0
AUG	III	+ 5	+ 4	+ 2	+ 1	+ 1	0	- 1	+ 5	+15	+18	+13	+ 1	-13	-24	-31	-27	-14	- 1	+ 3	+ 5	+ 9	+ 9	+ 9	+ 8	9.2
SEP	II	+ 9	+ 6	+ 4	+ 3	+ 2	+ 3	+ 6	+14	+20	+15	+ 1	-16	-31	-36	-32	-22	- 7	+ 2	+ 5	+ 8	+11	+13	+12	+11	12.1
OCT	II	+ 9	+ 6	+ 5	+ 3	+ 4	+ 8	+15	+23	+23	+15	- 6	-31	-47	-48	-37	-19	- 2	+ 7	+10	+11	+15	+15	+13	+12	16.0
NOV	I	+ 7	+ 5	+ 2	+ 2	+ 4	+ 8	+15	+19	+17	+ 8	- 8	-25	-36	-38	-30	-16	- 3	+ 5	+10	+10	+11	+11	+13	+ 9	13.0
DEC	I	+11	+ 9	+ 7	+ 4	+ 3	+ 6	+10	+14	+13	+ 8	- 6	-22	-32	-35	-30	-19	- 7	+ 3	+ 7	+10	+10	+12	+13	+11	12.5
MEANS	I	+10.8	+ 7.2	+ 4.6	+ 2.8	+ 3.0	+ 7.3	+13.8	+17.4	+14.3	+ 3.0	-13.5	-29.7	-38.2	-38.4	-31.1	-16.8	- 2.1	+ 8.0	+11.6	+11.8	+12.9	+14.4	+14.3	+12.4	14.1
	II	+ 9.2	+ 6.9	+ 5.6	+ 3.9	+ 3.4	+ 5.3	+10.5	+17.2	+18.6	+11.8	- 3.9	-22.0	-35.4	-38.8	-32.9	-21.1	- 7.6	+ 2.9	+ 6.9	+ 9.5	+12.8	+13.8	+12.8	+11.2	13.5
	III	+ 4.3	+ 3.0	+ 2.2	+ 1.6	+ 1.2	+ 1.0	+ 0.6	+ 2.8	+10.7	+13.1	+ 8.3	- 2.9	-13.5	-20.9	-24.1	-20.2	- 9.2	+ 0.9	+ 3.6	+ 6.2	+ 7.9	+ 8.4	+ 8.0	+ 6.5	7.5
	YEAR	+ 8.1	+ 5.7	+ 4.1	+ 2.8	+ 2.5	+ 4.5	+ 8.3	+12.5	+14.5	+ 9.3	- 3.1	-18.2	-29.0	-32.7	-29.4	-19.3	- 6.3	+ 3.9	+ 7.4	+ 9.2	+11.2	+12.2	+11.7	+10.0	11.5

[a]Twenty-nine days only--June 1-14, 16-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 6	+ 2	+ 2	+ 3	+ 6	+12	+20	+21	+14	0	-19	-33	-36	-36	-28	-12	+ 3	+10	+11	+ 9	+10	+12	+14	+10	13.8
FEB	I	+12	+ 8	+ 8	+ 6	+ 6	+11	+21	+30	+24	+ 6	-18	-39	-50	-49	-39	-23	- 4	+11	+15	+12	+12	+14	+15	+14	18.6
MAR	II	+10	+ 9	+ 8	+ 6	+ 5	+ 8	+13	+20	+19	+11	- 4	-19	-30	-36	-34	-26	-13	- 2	+ 5	+ 8	+10	+10	+11	+11	13.6
APR	II	+ 7	+ 5	+ 4	+ 4	+ 5	+ 7	+11	+16	+18	+12	- 1	-18	-30	-33	-28	-21	- 9	0	+ 4	+ 6	+10	+11	+11	+ 9	11.6
MAY	III	+ 4	+ 3	+ 2	+ 3	+ 3	+ 4	+ 4	+ 7	+13	+13	+ 5	- 8	-20	-23	-22	-17	- 7	+ 2	+ 4	+ 6	+ 6	+ 7	+ 7	+ 6	8.2
JUN	III	+ 1	0	+ 1	+ 1	+ 2	+ 2	+ 1	+ 1	+ 7	+10	+ 7	- 2	-10	-15	-17	-13	- 3	+ 3	+ 3	+ 4	+ 5	+ 4	+ 4	+ 3	5.0
JUL	III	+ 2	+ 2	+ 1	0	0	0	0	+ 2	+ 8	+12	+11	+ 2	-10	-19	-23	-18	- 8	+ 2	+ 5	+ 6	+ 6	+ 7	+ 6	+ 5	6.6
AUG	III	+ 4	+ 3	+ 1	+ 1	0	+ 1	+ 2	+ 8	+19	+21	+13	0	-15	-28	-32	-26	-12	0	+ 4	+ 5	+ 7	+ 7	+ 8	+ 8	9.5
SEP	II	+ 6	+ 5	+ 3	+ 3	+ 4	+ 5	+ 9	+17	+23	+19	+ 4	-16	-33	-38	-32	-21	- 7	+ 2	+ 4	+ 6	+ 8	+10	+ 9	+ 9	12.3
OCT	II	+ 7	+ 5	+ 5	+ 4	+ 6	+11	+20	+28	+30	+21	- 3	-31	-49	-50	-40	-22	- 5	+ 5	+ 7	+ 8	+11	+10	+10	+10	16.6
NOV	I	+ 6	+ 4	+ 3	+ 3	+ 5	+10	+17	+23	+22	+14	- 5	-25	-41	-44	-34	-18	- 3	+ 6	+ 9	+ 8	+ 9	+ 9	+10	+ 9	14.0
DEC	I	+ 8	+ 6	+ 4	+ 4	+ 4	+ 8	+11	+16	+16	+12	0	-14	-24	-28	-27	-20	-11	- 3	+ 2	+ 4	+ 6	+ 8	+10	+ 9	10.6
MEANS	I	+ 8.0	+ 5.1	+ 4.2	+ 3.9	+ 5.4	+10.2	+17.3	+22.3	+19.2	+ 7.7	-10.6	-27.5	-37.6	-39.4	-32.1	-18.1	- 3.7	+ 6.1	+ 9.2	+ 8.3	+ 9.2	+10.7	+12.4	+10.5	14.1
	II	+ 7.7	+ 6.0	+ 5.1	+ 4.3	+ 4.8	+ 7.7	+13.2	+20.4	+22.6	+15.8	- 0.6	-20.9	-35.5	-39.2	-33.4	-22.2	- 8.5	+ 1.4	+ 5.0	+ 7.2	+ 9.6	+10.3	+10.3	+ 9.6	13.4
	III	+ 2.9	+ 2.2	+ 1.3	+ 1.1	+ 1.2	+ 1.8	+ 2.0	+ 4.5	+11.8	+14.2	+ 9.2	- 2.0	-13.6	-21.3	-23.5	-18.5	- 7.8	+ 1.6	+ 4.0	+ 5.2	+ 6.2	+ 6.4	+ 6.2	+ 5.2	7.2
	YEAR	+ 6.2	+ 4.5	+ 3.5	+ 3.1	+ 3.6	+ 6.5	+10.8	+15.7	+17.9	+12.6	- 0.5	-16.9	-29.0	-33.3	-29.7	-19.6	- 6.7	+ 3.0	+ 6.1	+ 6.9	+ 8.3	+ 9.1	+ 9.5	+ 8.5	11.3

TABLE 374--CONCLUDED

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1938

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+11	+ 1	-15	-28	-33	-38	-34	-18	0	+ 9	+10	+ 8	+ 9	+11	+12	+ 8	+ 7	+ 6	+ 5	+ 5	+ 8	+14	+20	+23	13.9
FEB	I	+22	+ 2	-19	-38	-51	-51	-41	-24	- 4	+11	+15	+11	+12	+13	+14	+14	+11	+ 9	+ 9	+ 8	+ 9	+12	+23	+33	18.9
MAR	II	+25	+16	- 5	-24	-35	-42	-37	-27	-13	- 1	+ 6	+ 9	+10	+12	+12	+12	+10	+ 9	+ 8	+ 7	+ 7	+10	+14	+20	15.4
APR	II	+20	+15	+ 2	-17	-32	-35	-31	-22	- 9	0	+ 4	+ 7	+10	+10	+10	+ 8	+ 6	+ 4	+ 4	+ 4	+ 6	+ 8	+10	+16	12.1
MAY	III	+12	+13	+ 6	- 8	-20	-24	-23	-19	- 8	+ 1	+ 3	+ 5	+ 5	+ 6	+ 6	+ 4	+ 3	+ 4	+ 3	+ 4	+ 4	+ 4	+ 5	+10	8.4
JUN[a]	III	+ 7	+12	+ 8	- 1	- 8	-14	-17	-14	- 4	+ 2	+ 2	+ 4	+ 4	+ 4	+ 3	+ 2	+ 1	0	0	0	+ 1	+ 2	+ 1	+ 2	4.7
JUL	III	+10	+15	+13	+ 2	-11	-19	-24	-22	-12	0	+ 4	+ 5	+ 6	+ 7	+ 5	+ 4	+ 2	+ 1	0	+ 2	+ 1	+ 2	+ 3	+ 5	7.3
AUG	III	+18	+21	+15	+ 2	-15	-29	-34	-29	-15	0	+ 4	+ 4	+ 6	+ 7	+ 7	+ 7	+ 5	+ 4	+ 3	+ 2	+ 2	+ 3	+ 3	+10	10.2
SEP	II	+27	+21	+ 3	-20	-38	-43	-35	-22	- 7	+ 1	+ 4	+ 6	+ 9	+10	+ 9	+ 9	+ 7	+ 6	+ 5	+ 4	+ 5	+ 7	+12	+22	13.8
OCT	II	+28	+19	- 4	-34	-53	-52	-39	-19	- 3	+ 6	+ 8	+ 9	+12	+10	+10	+ 9	+ 8	+ 8	+ 7	+ 6	+ 7	+11	+19	+27	17.0
NOV	I	+20	+11	- 5	-25	-39	-42	-32	-16	- 1	+ 7	+ 9	+ 7	+ 6	+ 7	+ 8	+ 6	+ 6	+ 5	+ 5	+ 5	+ 6	+10	+18	+24	13.3
DEC	I	+15	+11	- 1	-14	-23	-30	-28	-19	- 9	0	+ 4	+ 4	+ 6	+ 7	+ 8	+ 7	+ 6	+ 5	+ 4	+ 3	+ 5	+ 8	+13	+17	10.4
MEANS	I	+17.1	+ 6.2	-10.0	-26.1	-36.7	-40.2	-33.6	-19.2	- 3.6	+ 6.9	+ 9.2	+ 7.4	+ 8.3	+ 9.6	+10.2	+ 8.9	+ 7.4	+ 6.2	+ 5.6	+ 5.3	+ 7.0	+11.3	+18.6	+24.4	14.1
	II	+24.9	+17.7	- 1.3	-23.6	-39.5	-42.8	-35.6	-22.5	- 8.2	+ 1.6	+ 5.3	+ 7.6	+10.4	+10.6	+10.0	+ 9.4	+ 7.7	+ 6.8	+ 5.7	+ 5.4	+ 6.3	+ 8.8	+13.8	+21.5	14.5
	III	+11.8	+15.2	+10.4	- 1.2	-13.2	-21.5	-24.7	-21.0	- 9.7	+ 0.6	+ 3.4	+ 4.6	+ 5.5	+ 6.0	+ 5.4	+ 4.4	+ 2.8	+ 2.2	+ 1.7	+ 2.0	+ 2.2	+ 2.8	+ 3.2	+ 6.6	7.6
	YEAR	+17.9	+13.0	- 0.3	-17.0	-29.8	-34.8	-31.3	-20.9	- 7.2	+ 3.0	+ 6.0	+ 6.5	+ 8.0	+ 8.7	+ 8.5	+ 7.6	+ 6.0	+ 5.1	+ 4.3	+ 4.2	+ 5.2	+ 7.6	+11.9	+17.5	11.8

[a]Four days only--June 4, 23, 27 and 28

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 7	-33	-42	-52	-46	-42	-30	-12	+11	+28	+45	+39	+41	+39	+25	+31	+30	+13	+ 8	- 2	-17	-11	- 8	- 8	25.8
FEB	I	+19	0	-22	-41	-54	-50	-41	-20	- 1	+14	+16	+17	+26	+22	+18	+17	+27	+16	+ 9	+ 2	- 3	0	+12	+15	19.2
MAR	II	+ 2	+ 1	-11	-18	-25	-27	-26	-14	- 3	+17	+12	+ 8	+15	+21	+18	+14	+ 9	+10	+ 9	- 4	- 8	- 5	0	+ 4	11.8
APR	II	+16	+11	- 3	-18	-32	-37	-28	-18	-17	+ 3	+10	+17	+24	+21	+17	+10	+10	+ 5	+ 1	0	0	- 3	+ 2	+ 9	12.9
MAY	III	+10	+ 6	- 6	-15	-19	-25	-28	-22	-10	+ 4	+ 8	+17	+17	+18	+21	+14	+ 9	+ 9	+11	+ 2	+ 1	- 5	- 7	-11	12.3
JUN	III	+ 6	+ 7	+ 4	- 4	-12	-16	-16	-12	- 4	+ 2	+ 5	+11	+10	+ 8	+ 6	+ 5	+ 2	+ 1	- 1	- 2	- 3	- 2	+ 1	+ 3	6.0
JUL	III	+ 8	+13	+ 7	- 2	-13	-21	-24	-24	-15	+ 1	+ 1	+ 6	+15	+18	+16	+13	+11	+ 4	+ 8	+ 4	0	- 7	- 9	-11	10.4
AUG	III	+16	+16	+15	+ 5	- 6	+17	-28	-27	-15	- 3	0	+ 9	+15	+14	+13	+10	+ 4	0	- 2	0	- 2	- 5	-11	0	9.7
SEP	II	+19	+14	- 1	-22	-33	-39	-36	-27	- 3	+ 7	+10	+16	+20	+24	+20	+18	+19	+ 9	+ 8	- 1	-11	- 7	- 8	+ 4	15.7
OCT	II	+15	+10	- 6	-30	-46	-46	-34	-14	- 1	+10	+15	+16	+21	+27	+19	+17	+12	+ 4	+ 1	- 4	- 6	- 1	+ 6	+16	15.7
NOV	I	+18	+ 8	-13	-32	-43	-41	-30	-14	- 2	+ 7	+15	+19	+21	+19	+22	+11	+ 9	+ 3	- 2	- 5	- 4	+ 5	+14	+16	15.6
DEC	I	+14	+ 6	- 9	-24	-32	-33	-26	-17	-10	+ 6	+10	+16	+16	+18	+21	+20	+16	+18	+11	+ 6	- 9	- 7	- 5	- 4	14.8
MEANS	I	+10.8	- 4.8	-21.5	-37.3	-43.7	-41.5	-31.8	-16.2	- 0.4	+13.7	+21.6	+22.6	+26.0	+24.6	+21.8	+19.4	+20.5	+12.4	+ 6.3	+ 0.5	- 8.1	- 3.2	+ 3.4	+ 4.6	17.4
	II	+12.8	+ 9.0	- 5.1	-21.7	-34.0	-37.4	-30.9	-18.4	- 6.0	+ 9.2	+12.0	+14.4	+20.2	+23.4	+18.6	+14.8	+12.3	+ 6.9	+ 4.5	- 2.4	- 6.3	- 4.2	+ 0.2	+ 8.2	13.9
	III	+ 9.8	+10.6	+ 5.1	- 4.0	-12.1	-19.8	-24.1	-21.3	-11.0	+ 0.9	+ 3.5	+10.7	+14.2	+14.4	+13.9	+10.5	+ 6.6	+ 3.4	+ 4.0	+ 1.1	- 0.8	- 4.6	- 6.6	- 4.4	9.1
	YEAR	+11.1	+ 4.9	- 7.2	-21.0	-30.0	-32.9	-28.9	-18.6	- 5.8	+ 7.9	+12.3	+15.9	+20.1	+20.8	+18.1	+14.9	+13.1	+ 7.6	+ 5.0	- 0.3	- 5.1	- 4.0	- 1.0	+ 2.8	12.9

TABLE 375

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED · A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN H Z TOWARD NADIR. X NORTHWARD Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 0.2	- 0.2	- 0.3	- 0.3	- 0.6	- 1.5	- 3.2	- 5.0	- 6.5	- 6.2	- 3.6	- 0.1	+ 2.6	+ 4.4	+ 5.0	+ 4.5	+ 3.6	+ 2.7	+ 1.8	+ 1.3	+ 1.0	+ 0.6	+ 0.3	+ 0.1	2.32
FEB	I	- 0.6	- 0.7	- 0.5	- 0.5	- 0.4	- 0.4	- 1.7	- 3.9	- 5.8	- 6.6	- 5.5	- 2.6	+ 1.5	+ 4.3	+ 5.8	+ 5.4	+ 4.2	+ 2.9	+ 1.9	+ 1.5	+ 1.0	+ 0.5	+ 0.3	- 0.2	2.44
MAR	II	- 0.7	- 0.7	- 0.4	- 0.1	- 0.2	- 0.2	- 0.8	- 2.0	- 4.2	- 5.0	- 4.2	- 1.7	+ 1.1	+ 3.0	+ 4.1	+ 4.1	+ 3.4	+ 2.2	+ 1.6	+ 0.9	+ 0.5	0.0	- 0.1	- 0.7	1.74
APR	II	- 1.0	- 0.2	+ 0.4	+ 0.4	+ 0.3	+ 0.1	- 0.1	- 0.5	- 2.4	- 3.5	- 3.5	- 2.2	0.0	+ 2.0	+ 3.1	+ 3.5	+ 2.8	+ 2.1	+ 1.1	+ 0.6	- 0.2	- 0.7	- 1.0	- 1.1	1.37
MAY	III	- 1.2	- 0.9	- 0.4	- 0.2	+ 0.1	+ 0.4	+ 0.5	+ 0.6	- 0.7	- 1.9	- 2.2	- 1.8	- 0.6	+ 0.8	+ 2.3	+ 3.2	+ 3.4	+ 1.9	+ 1.2	+ 0.4	- 0.4	- 1.3	- 1.5	- 1.8	1.24
JUN	III	- 1.0	- 0.7	- 0.3	0.0	+ 0.2	+ 0.2	+ 0.3	+ 0.4	- 0.4	- 1.5	- 1.8	- 1.5	- 0.2	+ 1.0	+ 2.3	+ 2.9	+ 2.4	+ 1.4	+ 0.6	0.0	- 0.6	- 1.0	- 1.2	- 1.4	0.97
JUL	III	- 1.0	- 0.8	- 0.2	0.0	+ 0.2	+ 0.6	+ 0.8	+ 0.7	- 0.6	- 2.0	- 3.0	- 2.8	- 1.4	+ 0.6	+ 2.8	+ 3.7	+ 3.0	+ 1.8	+ 1.1	+ 0.7	- 0.4	- 0.9	- 1.4	- 1.4	1.33
AUG	III	- 0.7	- 0.4	- 0.3	- 0.1	0.0	+ 0.4	+ 0.6	+ 0.6	- 0.8	- 2.3	- 3.8	- 3.5	- 2.3	- 0.2	+ 2.3	+ 3.7	+ 3.5	+ 2.3	+ 1.5	+ 1.1	+ 0.4	- 0.1	- 1.0	- 1.0	1.37
SEP	II	- 0.6	- 0.4	0.0	+ 0.3	+ 0.6	+ 0.6	- 0.2	- 1.5	- 3.7	- 5.3	- 5.4	- 3.6	- 0.8	+ 1.9	+ 3.8	+ 4.5	+ 4.0	+ 2.7	+ 1.8	+ 1.4	+ 0.8	0.0	- 0.2	- 0.6	1.86
OCT	II	- 0.5	- 0.3	- 0.4	0.0	+ 0.2	- 0.6	- 1.7	- 3.3	- 5.4	- 5.9	- 5.0	- 2.4	+ 1.0	+ 4.0	+ 5.4	+ 5.4	+ 4.1	+ 2.7	+ 1.6	+ 1.3	+ 0.6	- 0.1	- 0.3	- 0.3	2.18
NOV	I	- 0.3	0.0	0.0	+ 0.1	0.0	- 1.0	- 2.4	- 4.2	- 5.6	- 5.7	- 4.1	- 1.5	+ 1.5	+ 4.0	+ 5.2	+ 5.0	+ 3.6	+ 2.2	+ 1.2	+ 0.8	+ 0.8	+ 0.4	+ 0.1	- 0.1	2.08
DEC	I	- 0.2	- 0.1	+ 0.2	+ 0.2	- 0.3	- 1.5	- 3.0	- 5.1	- 6.2	- 5.8	- 3.7	- 0.6	+ 2.1	+ 4.0	+ 5.0	+ 4.7	+ 3.6	+ 2.4	+ 1.5	+ 1.3	+ 1.1	+ 0.5	+ 0.1	- 0.2	2.23
MEANS	I	- 0.3	- 0.3	- 0.1	- 0.1	- 0.3	- 1.1	- 2.6	- 4.6	- 6.0	- 6.1	- 4.2	- 1.2	+ 1.9	+ 4.2	+ 5.3	+ 4.9	+ 3.8	+ 2.6	+ 1.6	+ 1.2	+ 1.0	+ 0.5	+ 0.2	- 0.1	2.25
	II	- 0.7	- 0.4	- 0.1	+ 0.1	+ 0.2	0.0	- 0.7	- 1.8	- 3.9	- 4.9	- 4.5	- 2.5	+ 0.3	+ 2.7	+ 4.1	+ 4.4	+ 3.6	+ 2.4	+ 1.5	+ 1.0	+ 0.4	- 0.2	- 0.4	- 0.7	1.73
	III	- 1.0	- 0.7	- 0.3	- 0.1	+ 0.1	+ 0.4	+ 0.6	+ 0.6	- 0.6	- 1.9	- 2.7	- 2.4	- 1.1	+ 0.6	+ 2.4	+ 3.4	+ 3.1	+ 1.8	+ 1.1	+ 0.5	- 0.2	- 0.8	- 1.3	- 1.4	1.21
	YEAR	- 0.6	- 0.5	- 0.2	0.0	0.0	- 0.2	- 0.9	- 1.9	- 3.5	- 4.3	- 3.8	- 2.0	+ 0.4	+ 2.5	+ 3.9	+ 4.2	+ 3.5	+ 2.3	+ 1.4	+ 0.9	+ 0.4	- 0.2	- 0.5	- 0.7	1.62

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 0.1	- 0.2	- 0.4	- 0.5	- 0.7	- 1.4	- 2.8	- 4.2	- 6.1	- 6.3	- 4.9	- 2.3	+ 0.9	+ 3.9	+ 5.2	+ 5.1	+ 4.3	+ 3.3	+ 2.4	+ 1.7	+ 1.3	+ 0.8	+ 0.7	+ 0.3	2.49
FEB	I	- 0.6	- 0.6	0.0	0.0	+ 0.1	- 0.4	- 1.6	- 3.7	- 6.4	- 7.6	- 6.8	- 3.7	+ 0.6	+ 3.8	+ 5.8	+ 5.7	+ 4.5	+ 3.1	+ 2.0	+ 1.8	+ 1.5	+ 1.2	+ 0.9	+ 0.6	2.63
MAR	II	- 0.8	- 0.8	- 0.5	- 0.1	0.0	- 0.1	- 0.8	- 2.2	- 4.4	- 5.3	- 4.2	- 1.9	+ 0.7	+ 2.7	+ 3.8	+ 3.8	+ 3.2	+ 2.2	+ 1.6	+ 1.1	+ 0.9	+ 0.6	+ 0.3	0.0	1.75
APR	II	- 0.1	- 0.4	- 0.2	+ 0.2	+ 0.1	+ 0.1	+ 0.3	- 0.6	- 2.8	- 4.0	- 4.2	- 3.0	- 0.9	+ 1.3	+ 2.9	+ 3.5	+ 3.3	+ 2.3	+ 1.3	+ 0.9	+ 0.5	+ 0.2	- 0.4	- 0.5	1.41
MAY	III	- 0.8	- 0.4	- 0.1	+ 0.2	0.0	+ 0.2	0.0	- 0.4	- 1.7	- 2.8	- 3.1	- 2.3	- 0.8	+ 0.7	+ 2.4	+ 3.3	+ 3.1	+ 2.1	+ 1.4	+ 0.8	+ 0.1	- 0.4	- 0.8	- 0.9	1.20
JUN	III	- 0.8	- 0.6	- 0.2	+ 0.1	+ 0.2	+ 0.1	+ 0.1	0.0	+ 0.8	- 1.8	- 2.0	- 1.4	- 0.1	+ 1.2	+ 2.3	+ 2.6	+ 1.9	+ 0.9	+ 0.3	- 0.1	- 0.2	- 0.5	- 0.6	- 0.6	0.82
JUL	III	- 0.5	- 0.4	+ 0.1	+ 0.3	+ 0.3	+ 0.3	+ 0.7	+ 0.7	- 0.8	- 2.4	- 3.2	- 3.1	- 1.8	+ 0.3	+ 2.4	+ 3.2	+ 2.6	+ 1.2	+ 0.7	+ 0.3	0.0	- 0.2	- 0.4	- 0.3	1.09
AUG	III	- 0.2	0.0	+ 0.2	+ 0.2	+ 0.1	+ 0.2	+ 0.5	+ 0.4	- 1.2	- 2.5	- 3.4	- 3.2	- 1.7	0.0	+ 1.8	+ 2.8	+ 2.8	+ 1.6	+ 0.9	+ 0.7	+ 0.4	+ 0.2	- 0.1	- 0.2	1.05
SEP	II	- 0.2	- 0.1	+ 0.1	+ 0.1	+ 0.3	+ 0.6	+ 0.3	- 1.4	- 4.2	- 5.8	- 6.0	- 4.2	- 1.0	+ 2.0	+ 3.8	+ 4.5	+ 3.7	+ 2.4	+ 1.6	+ 1.4	+ 0.9	+ 0.6	+ 0.3	+ 0.1	1.90
OCT	II	- 0.4	0.0	+ 0.3	+ 0.8	+ 0.3	- 0.4	- 1.4	- 3.8	- 6.1	- 6.7	- 5.7	- 3.3	+ 0.3	+ 3.2	+ 4.9	+ 4.9	+ 3.9	+ 2.5	+ 1.8	+ 1.6	+ 1.2	+ 1.0	+ 0.5	+ 0.4	2.32
NOV	I	- 0.2	0.0	+ 0.1	+ 0.3	+ 0.2	- 0.8	- 2.2	- 4.2	- 5.6	- 6.0	- 4.7	- 2.3	+ 0.9	+ 3.6	+ 5.0	+ 4.8	+ 3.7	+ 2.3	+ 1.4	+ 1.2	+ 1.0	+ 0.6	+ 0.5	+ 0.2	2.17
DEC	I	+ 0.1	+ 0.2	+ 0.4	+ 0.4	- 0.2	- 1.2	- 2.3	- 4.4	- 5.8	- 5.8	- 4.2	- 1.5	+ 1.5	+ 3.7	+ 4.7	+ 4.3	+ 3.3	+ 2.2	+ 1.3	+ 0.9	+ 1.0	+ 0.8	+ 0.5	+ 0.3	2.12
MEANS	I	- 0.2	- 0.2	0.0	0.0	- 0.2	- 1.0	- 2.2	- 4.1	- 6.0	- 6.4	- 5.1	- 2.4	+ 1.0	+ 3.7	+ 5.2	+ 5.0	+ 4.0	+ 2.8	+ 1.8	+ 1.4	+ 1.2	+ 0.9	+ 0.6	+ 0.4	2.32
	II	- 0.4	- 0.3	- 0.1	+ 0.3	+ 0.2	+ 0.1	- 0.4	- 2.0	- 4.4	- 5.5	- 5.0	- 3.1	- 0.2	+ 2.3	+ 3.9	+ 4.2	+ 3.5	+ 2.4	+ 1.6	+ 1.2	+ 0.9	+ 0.6	+ 0.2	0.0	1.77
	III	- 0.6	- 0.3	0.0	+ 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.1	- 1.1	- 2.4	- 2.9	- 2.5	- 1.1	+ 0.6	+ 2.2	+ 3.0	+ 2.6	+ 1.4	+ 0.8	+ 0.4	+ 0.1	- 0.2	- 0.5	- 0.5	1.01
	YEAR	- 0.4	- 0.3	0.0	+ 0.2	0.0	- 0.2	- 0.8	- 2.0	- 3.8	- 4.8	- 4.4	- 2.7	- 0.1	+ 2.2	+ 3.8	+ 4.0	+ 3.4	+ 2.2	+ 1.4	+ 1.0	+ 0.7	+ 0.4	+ 0.1	0.0	1.62

TABLE 375--CONCLUDED

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST. I DOWN. H. Z TOWARD NADIR. X NORTHWARD. Y EASTWARD. AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 6.0	- 6.3	- 5.2	- 2.8	+ 0.8	+ 4.4	+ 5.9	+ 5.6	+ 4.2	+ 2.9	+ 2.0	+ 1.6	+ 1.1	+ 0.8	+ 0.8	+ 0.3	- 0.1	- 0.2	- 0.3	- 0.5	- 0.6	- 1.3	- 2.6	- 4.4	2.52
FEB	I	- 6.3	- 7.5	- 7.0	- 4.4	- 0.2	+ 3.4	+ 5.6	+ 6.0	+ 4.8	+ 3.4	+ 2.2	+ 1.8	+ 1.6	+ 1.1	+ 0.8	+ 0.5	+ 0.2	- 0.2	- 0.2	- 0.1	- 0.2	- 0.7	- 1.5	- 3.3	2.63
MAR	II	- 4.7	- 5.4	- 4.1	- 1.6	+ 1.0	+ 3.0	+ 3.8	+ 3.9	+ 3.1	+ 2.2	+ 1.7	+ 1.1	+ 0.9	+ 0.7	+ 0.4	+ 0.1	+ 0.1	0.0	- 0.1	- 0.4	- 0.4	- 0.9	- 1.7	- 2.7	1.83
APR	II	- 3.6	- 4.3	- 4.2	- 2.8	- 0.3	+ 2.0	+ 3.2	+ 3.6	+ 3.4	+ 2.5	+ 1.5	+ 1.0	+ 0.6	+ 0.3	- 0.1	- 0.2	- 0.1	0.0	+ 0.1	+ 0.2	- 0.2	- 0.2	- 0.8	- 1.9	1.54
MAY	III	- 2.0	- 3.3	- 3.5	- 2.8	- 1.0	+ 0.7	+ 2.5	+ 3.5	+ 2.9	+ 1.8	+ 1.3	+ 0.8	+ 0.3	- 0.1	- 0.6	- 0.5	- 0.3	- 0.1	0.0	0.0	0.0	+ 0.3	+ 0.3	- 0.1	1.20
JUN	III	- 1.0	- 2.1	- 2.2	- 1.2	- 0.1	+ 1.2	+ 2.4	+ 2.5	+ 1.8	+ 0.8	+ 0.4	0.0	- 0.3	- 0.4	- 0.5	- 0.5	- 0.4	- 0.2	0.0	+ 0.1	0.0	0.0	- 0.1	- 0.3	0.77
JUL	III	- 0.8	- 2.2	- 3.1	- 3.2	- 2.0	- 0.1	+ 2.3	+ 3.1	+ 2.5	+ 1.0	+ 0.4	+ 0.1	0.0	- 0.2	- 0.3	- 0.2	0.0	+ 0.4	+ 0.5	+ 0.4	+ 0.3	+ 0.4	+ 0.5	+ 0.3	1.01
AUG	III	- 0.9	- 2.4	- 3.5	- 3.7	- 2.5	- 0.5	+ 1.4	+ 2.7	+ 2.7	+ 1.4	+ 0.7	+ 0.6	+ 0.3	0.0	- 0.1	- 0.1	+ 0.2	+ 0.3	+ 0.5	+ 0.6	+ 0.5	+ 0.6	+ 0.7	+ 0.6	1.16
SEP	II	- 4.4	- 5.6	- 5.9	- 4.3	- 1.4	+ 1.7	+ 3.4	+ 4.3	+ 3.8	+ 2.5	+ 1.8	+ 1.6	+ 1.0	+ 0.6	+ 0.3	+ 0.1	- 0.2	+ 0.2	+ 0.2	+ 0.3	+ 0.6	+ 0.5	- 0.1	- 1.1	1.91
OCT	II	- 6.3	- 6.4	- 5.6	- 3.2	+ 0.4	+ 3.4	+ 5.1	+ 5.1	+ 4.0	+ 2.7	+ 2.1	+ 1.7	+ 1.3	+ 1.0	+ 0.7	+ 0.6	+ 0.4	+ 0.3	+ 0.1	0.0	- 0.2	- 0.9	- 2.1	- 4.2	2.40
NOV	I	- 5.5	- 5.7	- 4.3	- 1.9	+ 1.2	+ 3.6	+ 4.7	+ 4.4	+ 3.3	+ 2.1	+ 1.1	+ 1.0	+ 1.0	+ 0.6	+ 0.5	+ 0.4	+ 0.3	+ 0.1	+ 0.3	+ 0.3	0.0	- 0.8	- 2.4	- 4.5	2.09
DEC	I	- 5.8	- 5.8	- 4.3	- 2.0	+ 0.8	+ 3.4	+ 4.4	+ 4.2	+ 3.3	+ 2.2	+ 1.3	+ 1.0	+ 1.2	+ 1.1	+ 0.8	+ 0.6	+ 0.5	+ 0.5	+ 0.5	+ 0.2	- 0.1	- 1.1	- 2.7	- 4.4	2.18
MEANS	I	- 5.9	- 6.3	- 5.2	- 2.8	+ 0.6	+ 3.7	+ 5.2	+ 5.0	+ 3.9	+ 2.6	+ 1.7	+ 1.3	+ 1.2	+ 0.9	+ 0.7	+ 0.4	+ 0.2	+ 0.1	+ 0.1	0.0	- 0.2	- 1.0	- 2.3	- 4.1	2.32
	II	- 4.7	- 5.4	- 4.9	- 3.0	- 0.1	+ 2.5	+ 3.9	+ 4.2	+ 3.6	+ 2.5	+ 1.8	+ 1.3	+ 1.0	+ 0.7	+ 0.3	+ 0.1	0.0	+ 0.1	+ 0.1	0.0	0.0	- 0.4	- 1.2	- 2.5	1.85
	III	- 1.2	- 2.5	- 3.1	- 2.7	- 1.4	+ 0.3	+ 2.1	+ 2.9	+ 2.5	+ 1.2	+ 0.7	+ 0.4	+ 0.1	- 0.2	- 0.4	- 0.3	- 0.1	+ 0.1	+ 0.2	+ 0.3	+ 0.2	+ 0.3	+ 0.4	+ 0.1	1.00
	YEAR	- 4.0	- 4.8	- 4.4	- 2.8	- 0.3	+ 2.2	+ 3.7	+ 4.1	+ 3.3	+ 2.1	+ 1.4	+ 1.0	+ 0.8	+ 0.5	+ 0.2	+ 0.1	0.0	+ 0.1	+ 0.1	+ 0.1	0.0	- 0.3	- 1.0	- 2.2	1.65

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 7.6	- 6.9	- 3.1	+ 1.4	+ 3.5	+ 4.4	+ 4.8	+ 4.1	+ 2.7	+ 2.2	+ 1.6	+ 1.6	+ 1.3	+ 0.1	+ 0.1	0.0	- 0.3	- 0.6	- 0.4	- 0.5	- 0.8	- 1.2	- 2.4	- 4.3	2.33
FEB	I	- 5.0	- 5.2	- 4.5	- 1.1	+ 3.1	+ 6.2	+ 7.5	+ 6.5	+ 5.1	+ 3.4	+ 2.5	+ 2.3	+ 0.6	- 1.0	- 0.5	- 1.4	- 2.8	+ 3.4	+ 2.2	+ 2.2	+ 2.0	- 1.0	- 1.9	- 3.1	3.10
MAR	II	- 3.0	- 3.5	- 2.6	- 0.9	+ 1.7	+ 3.0	+ 4.6	+ 3.9	+ 3.2	+ 1.4	+ 0.6	- 0.7	- 1.0	- 1.4	- 0.2	- 1.7	- 0.8	- 1.0	- 1.2	- 0.2	- 0.4	+ 0.3	+ 0.4	- 0.6	1.59
APR	II	- 1.8	- 3.3	- 3.6	- 2.2	+ 0.6	+ 2.3	+ 3.2	+ 3.9	+ 3.3	+ 2.6	+ 0.5	- 0.9	- 2.6	- 3.1	- 2.8	- 2.8	- 2.0	+ 0.2	+ 2.3	+ 1.0	+ 2.8	+ 0.9	+ 0.1	+ 1.3	2.09
MAY	III	- 0.4	- 1.8	- 1.8	- 1.7	- 0.6	+ 1.0	+ 3.2	+ 3.7	+ 4.4	+ 2.9	+ 2.8	+ 1.3	- 0.3	- 2.5	- 2.6	- 3.0	- 1.8	- 2.3	- 1.1	- 0.8	+ 0.3	+ 0.5	+ 0.3	+ 0.4	1.74
JUN	III	+ 0.6	- 0.2	- 0.7	- 0.8	+ 0.2	+ 1.6	+ 2.7	+ 3.6	+ 2.9	+ 1.8	+ 1.2	- 0.1	- 1.8	- 2.3	- 2.3	- 3.5	- 2.1	- 1.7	- 0.8	- 0.2	+ 0.2	+ 0.4	+ 0.5	+ 0.9	1.37
JUL	III	+ 0.5	- 0.8	- 2.1	- 1.7	- 0.2	+ 1.4	+ 3.3	+ 4.5	+ 4.0	+ 3.3	+ 2.8	+ 2.7	- 1.0	- 1.7	- 3.9	- 4.0	- 2.4	- 3.3	- 1.1	- 1.6	- 0.6	+ 0.9	+ 0.5	+ 0.3	2.04
AUG	III	+ 1.6	+ 0.1	- 2.8	- 1.9	- 2.0	+ 0.3	+ 3.2	+ 5.0	+ 4.5	+ 3.6	+ 1.9	+ 1.2	- 0.6	- 1.2	- 5.0	- 3.8	- 2.3	- 1.5	- 1.9	- 0.9	- 0.7	+ 0.5	+ 0.9	+ 1.7	2.06
SEP	II	- 3.2	- 4.4	- 4.2	- 1.4	+ 1.2	+ 3.6	+ 5.4	+ 5.2	+ 5.6	+ 3.5	+ 2.1	+ 1.8	+ 0.3	- 2.0	- 1.8	- 2.7	- 2.9	- 2.7	- 1.6	- 0.1	+ 0.6	+ 1.1	- 1.1	- 2.3	2.54
OCT	II	- 5.6	- 5.9	- 4.6	- 1.2	+ 2.3	+ 5.6	+ 6.3	+ 6.1	+ 4.6	+ 2.9	+ 1.7	+ 1.1	- 1.1	- 0.9	- 0.8	- 0.5	- 0.6	0.0	- 1.4	- 1.1	+ 0.2	- 1.7	- 2.2	- 3.2	2.56
NOV	I	- 5.9	- 5.5	- 3.6	- 0.4	+ 2.9	+ 5.3	+ 6.3	+ 6.0	+ 4.8	+ 3.2	+ 0.9	- 0.1	+ 0.5	- 0.2	- 0.9	- 1.0	- 1.1	- 0.9	- 0.8	- 0.3	- 0.1	- 1.4	- 3.2	- 4.6	2.49
DEC	I	- 6.0	- 5.6	- 3.3	+ 0.1	+ 2.1	+ 4.4	+ 6.1	+ 6.2	+ 4.9	+ 3.8	+ 2.7	+ 2.4	+ 1.5	+ 0.5	- 0.9	- 0.8	- 1.4	- 1.4	- 0.9	- 1.1	- 0.8	- 2.5	- 3.7	- 6.4	2.90
MEANS	I	- 6.1	- 5.8	- 3.6	0.0	+ 2.9	+ 5.1	+ 6.2	+ 5.7	+ 4.4	+ 3.2	+ 1.9	+ 1.6	+ 1.0	- 0.2	- 0.5	- 0.8	- 1.4	- 1.6	- 1.1	- 1.0	- 0.9	- 1.5	- 2.8	- 4.6	2.66
	II	- 3.4	- 4.3	- 3.7	- 1.4	+ 1.5	+ 3.6	+ 4.8	+ 4.8	+ 4.2	+ 2.6	+ 1.2	+ 0.3	- 1.1	- 1.9	- 1.4	- 1.9	- 1.6	- 0.9	- 0.5	- 0.1	+ 0.8	+ 0.2	- 0.7	- 1.2	2.00
	III	+ 0.6	- 0.7	- 1.9	- 1.5	- 0.7	+ 1.1	+ 3.1	+ 4.2	+ 4.0	+ 2.9	+ 2.2	+ 1.3	- 0.9	- 1.9	- 3.5	- 3.6	- 2.2	- 2.2	- 1.2	- 0.9	- 0.2	+ 0.6	+ 0.6	+ 0.9	1.77
	YEAR	- 3.0	- 3.6	- 3.1	- 1.0	+ 1.2	+ 3.3	+ 4.7	+ 4.9	+ 4.2	+ 2.9	+ 1.8	+ 1.1	- 0.3	- 1.3	- 1.8	- 2.1	- 1.7	- 1.6	- 0.9	- 0.7	- 0.1	- 0.3	- 1.0	- 1.6	2.00

TABLE 376

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H. Z TOWARD NADIR X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.04	+0.02	+0.13	+0.09	+0.10	+0.11	0.00	-0.34	-0.73	-0.79	-0.43	+0.09	+0.30	+0.33	+0.34	+0.36	+0.47	+0.26	0.00	-0.05	-0.07	-0.11	-0.06	-0.08	0.22
FEB	I	-0.05	+0.03	+0.28	+0.41	+0.31	+0.28	+0.12	-0.25	-0.65	-1.04	-0.81	-0.09	+0.53	+0.80	+0.78	+0.38	+0.24	+0.06	-0.07	-0.15	-0.30	-0.26	-0.26	-0.28	0.35
MAR	II	+0.03	+0.16	+0.35	+0.62	+0.48	+0.53	+0.41	+0.24	-0.27	-0.43	-0.23	+0.17	+0.44	+0.58	+0.42	+0.14	-0.27	-0.72	-0.74	-0.69	-0.56	-0.42	-0.06	-0.09	0.38
APR	II	-0.05	+0.31	+0.74	+0.74	+0.68	+0.48	+0.35	+0.35	+0.05	+0.06	+0.06	+0.07	+0.30	+0.21	-0.15	-0.43	-0.74	-0.59	-0.49	-0.46	-0.44	-0.45	-0.45	-0.13	0.37
MAY	III	+0.12	+0.18	+0.35	+0.44	+0.72	+0.92	+0.93	+1.08	+0.93	+0.58	+0.18	-0.20	-0.33	-0.63	-0.88	-0.92	-0.75	-0.64	-0.43	-0.40	-0.40	-0.49	-0.30	-0.11	0.54
JUN	III	-0.06	+0.13	+0.27	+0.34	+0.47	+0.54	+0.63	+0.77	+0.79	+0.62	+0.32	+0.15	-0.14	-0.34	-0.35	-0.48	-0.58	-0.53	-0.44	-0.44	-0.47	-0.44	-0.40	-0.33	0.42
JUL	III	-0.14	+0.03	+0.22	+0.25	+0.35	+0.51	+0.71	+0.95	+0.90	+0.78	+0.47	+0.19	-0.06	-0.26	-0.43	-0.50	-0.47	-0.28	-0.21	-0.38	-0.68	-0.79	-0.73	-0.43	0.45
AUG	III	-0.35	-0.10	+0.04	+0.22	+0.35	+0.47	+0.62	+0.87	+0.90	+0.77	+0.40	+0.02	-0.13	-0.30	-0.16	-0.28	-0.31	-0.28	-0.34	-0.29	-0.48	-0.72	-0.54	-0.44	0.39
SEP	II	-0.26	-0.06	+0.14	+0.31	+0.41	+0.52	+0.51	+0.54	+0.48	+0.31	+0.07	+0.14	+0.12	+0.09	+0.05	-0.13	-0.13	-0.13	-0.34	-0.48	-0.53	-0.64	-0.52	-0.40	0.30
OCT	II	+0.05	+0.31	+0.51	+0.67	+0.48	+0.18	+0.14	+0.14	-0.27	-0.44	-0.44	-0.13	+0.35	+0.59	+0.61	+0.35	-0.08	-0.44	-0.54	-0.48	-0.64	-0.50	-0.46	+0.05	0.37
NOV	I	-0.01	+0.07	+0.15	+0.11	+0.06	+0.06	+0.01	-0.20	-0.41	-0.24	+0.17	+0.56	+0.75	+0.82	+0.56	+0.27	-0.09	-0.34	-0.45	-0.54	-0.45	-0.40	-0.25	-0.15	0.30
DEC	I	0.00	-0.03	+0.10	+0.12	+0.04	-0.06	-0.08	-0.26	-0.31	-0.04	+0.21	+0.54	+0.93	+0.81	+0.48	+0.08	-0.22	-0.44	-0.52	-0.46	-0.29	-0.35	-0.26	-0.07	0.28
MEANS	I	-0.02	+0.02	+0.16	+0.18	+0.13	+0.10	+0.01	-0.26	-0.52	-0.53	-0.22	+0.28	+0.63	+0.69	+0.54	+0.27	+0.10	-0.12	-0.26	-0.30	-0.28	-0.28	-0.21	-0.14	0.26
	II	-0.06	+0.18	+0.44	+0.58	+0.51	+0.43	+0.35	+0.32	0.00	-0.12	-0.14	+0.06	+0.30	+0.37	+0.23	-0.02	-0.30	-0.47	-0.53	-0.53	-0.54	-0.50	-0.37	-0.14	0.31
	III	-0.11	+0.06	+0.22	+0.31	+0.47	+0.61	+0.72	+0.92	+0.88	+0.69	+0.34	+0.04	-0.16	-0.38	-0.46	-0.54	-0.53	-0.43	-0.36	-0.38	-0.51	-0.61	-0.49	-0.33	0.44
	YEAR	-0.06	+0.09	+0.27	+0.36	+0.37	+0.38	+0.36	+0.32	+0.12	+0.01	0.00	+0.13	+0.26	+0.22	+0.11	-0.10	-0.24	-0.34	-0.38	-0.40	-0.44	-0.46	-0.36	-0.20	0.25

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.16	-0.16	-0.10	-0.10	-0.05	0.00	0.00	-0.16	-0.39	-0.43	-0.44	-0.27	+0.07	+0.42	+0.54	+0.49	+0.55	+0.43	+0.11	0.00	-0.06	-0.13	-0.11	-0.10	0.22
FEB	I	-0.56	-0.49	-0.14	0.00	+0.01	-0.15	-0.23	-0.48	-1.04	-1.36	-1.04	-0.03	+0.80	+1.05	+1.02	+0.71	+0.43	+0.24	+0.19	+0.24	+0.26	+0.22	+0.12	+0.30	0.46
MAR	II	-0.33	-0.19	-0.14	+0.32	+0.29	+0.33	+0.31	+0.06	-0.45	-0.63	-0.24	+0.24	+0.43	+0.59	+0.48	+0.25	+0.04	-0.23	-0.28	-0.24	-0.27	-0.20	-0.04	-0.03	0.28
APR	II	+0.02	+0.01	+0.11	+0.16	+0.15	+0.14	+0.10	+0.03	-0.05	-0.01	-0.14	-0.14	+0.27	+0.26	-0.18	-0.36	-0.25	-0.15	-0.08	+0.02	+0.05	-0.01	+0.05	+0.12	0.12
MAY	III	-0.15	0.00	+0.09	+0.17	+0.19	+0.30	+0.44	+0.59	+0.61	+0.44	+0.18	-0.14	-0.19	-0.19	-0.35	-0.45	-0.36	-0.28	-0.14	-0.20	-0.25	-0.31	-0.12	+0.06	0.26
JUN	III	-0.41	-0.21	-0.04	-0.07	+0.08	+0.18	+0.29	+0.39	+0.36	+0.29	+0.09	-0.09	-0.13	-0.15	-0.31	-0.34	-0.13	+0.11	+0.13	+0.02	-0.10	-0.06	-0.01	+0.05	0.17
JUL	III	-0.19	-0.01	-0.03	-0.02	+0.02	+0.10	+0.29	+0.56	+0.55	+0.43	+0.17	-0.14	-0.32	-0.29	-0.38	-0.42	-0.27	-0.07	+0.11	+0.04	-0.08	-0.14	-0.04	+0.06	0.20
AUG	III	-0.37	-0.21	-0.10	+0.03	+0.10	+0.18	+0.42	+0.63	+0.53	+0.33	+0.07	-0.07	-0.19	-0.19	-0.12	-0.13	-0.23	-0.10	-0.02	+0.01	-0.08	-0.17	-0.16	-0.15	0.19
SEP	II	-0.30	-0.05	+0.02	+0.09	+0.10	+0.20	+0.31	+0.31	+0.03	-0.11	-0.15	-0.12	-0.01	-0.03	+0.05	0.00	-0.03	0.00	-0.02	-0.01	-0.08	-0.05	-0.07	-0.09	0.09
OCT	II	-0.54	-0.47	-0.14	+0.13	+0.06	-0.17	-0.26	-0.40	-0.56	-0.58	-0.31	+0.11	+0.55	+0.91	+1.03	+0.75	+0.28	+0.05	+0.03	+0.04	-0.08	-0.20	-0.15	-0.09	0.33
NOV	I	-0.18	-0.21	-0.11	-0.06	-0.02	-0.07	-0.11	-0.28	-0.51	-0.37	+0.06	+0.43	+0.68	+0.78	+0.64	+0.45	+0.12	-0.25	-0.19	-0.20	-0.19	-0.24	-0.07	-0.05	0.26
DEC	I	+0.06	+0.01	+0.11	+0.08	-0.03	0.00	+0.08	-0.14	-0.38	-0.24	+0.02	+0.28	+0.47	+0.50	+0.35	-0.01	-0.13	-0.26	-0.30	-0.25	-0.10	-0.16	-0.07	+0.05	0.17
MEANS	I	-0.21	-0.21	-0.06	-0.02	-0.02	-0.06	-0.06	-0.26	-0.58	-0.60	-0.35	+0.10	+0.50	+0.69	+0.64	+0.41	+0.24	+0.04	-0.05	-0.05	-0.02	-0.08	-0.03	+0.05	0.22
	II	-0.29	-0.18	-0.04	+0.18	+0.15	+0.12	+0.12	0.00	-0.26	-0.33	-0.21	+0.02	+0.31	+0.43	+0.34	+0.16	+0.01	-0.08	-0.09	-0.05	-0.10	-0.12	-0.05	-0.02	0.15
	III	-0.28	-0.11	-0.02	+0.03	+0.10	+0.19	+0.36	+0.54	+0.51	+0.37	+0.13	-0.11	-0.21	-0.20	-0.29	-0.34	-0.25	-0.08	+0.02	-0.03	-0.13	-0.17	-0.08	0.00	0.19
	YEAR	-0.26	-0.16	-0.04	+0.06	+0.08	+0.09	+0.14	+0.09	-0.11	-0.19	-0.14	0.00	+0.20	+0.30	+0.23	+0.08	0.00	-0.04	-0.04	-0.04	-0.08	-0.12	-0.06	+0.01	0.11

TABLE 376--CONCLUDED

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	-0.37	-0.49	-0.79	-0.59	+0.17	+0.76	+0.93	+0.74	+0.63	+0.38	+0.13	-0.04	-0.08	-0.19	-0.26	-0.23	-0.27	-0.22	-0.15	-0.04	-0.04	+0.04	+0.08	-0.02	0.32
FEB	I	-1.04	-1.26	-1.02	-0.43	+0.20	+0.57	+0.67	+0.61	+0.34	+0.10	+0.07	+0.15	+0.16	+0.02	-0.07	-0.01	-0.03	+0.11	+0.20	+0.27	+0.14	+0.15	+0.20	-0.03	0.33
MAR	II	-0.54	-0.63	-0.14	+0.16	+0.36	+0.45	+0.32	+0.17	-0.08	-0.37	-0.47	-0.35	-0.30	-0.31	-0.20	-0.05	0.00	+0.18	+0.23	+0.38	+0.39	+0.37	+0.28	+0.18	0.29
APR	II	-0.37	-0.35	-0.13	+0.24	+0.63	+0.59	-0.10	-0.26	-0.18	-0.18	-0.19	-0.15	-0.11	-0.17	-0.08	-0.09	-0.08	+0.04	+0.14	+0.11	+0.07	+0.16	+0.22	+0.21	0.20
MAY	III	+0.61	+0.43	+0.12	-0.38	-0.35	-0.30	-0.48	-0.64	-0.54	-0.37	-0.16	-0.24	-0.30	-0.29	-0.16	+0.02	+0.04	+0.10	+0.32	+0.28	+0.30	+0.47	+0.63	+0.89	0.35
JUN	III	+0.27	+0.10	-0.09	-0.13	-0.14	-0.25	-0.51	-0.55	-0.22	+0.09	+0.15	+0.11	-0.11	-0.15	-0.13	-0.10	-0.11	-0.01	+0.10	+0.01	+0.18	+0.36	+0.55	+0.59	0.21
JUL	III	+0.47	+0.33	-0.08	-0.45	-0.71	-0.64	-0.48	-0.45	-0.36	-0.18	-0.07	-0.07	-0.08	-0.09	-0.09	-0.05	+0.09	+0.17	+0.22	+0.27	+0.39	+0.41	+0.55	+0.78	0.31
AUG	III	+0.61	+0.35	+0.02	-0.27	-0.54	-0.55	-0.41	-0.33	-0.34	-0.11	-0.02	+0.01	-0.11	-0.17	-0.22	-0.21	-0.13	-0.05	+0.09	+0.19	+0.31	+0.46	+0.64	+0.81	0.29
SEP	II	0.00	-0.23	-0.28	-0.25	-0.05	+0.04	+0.13	+0.05	+0.03	-0.06	-0.17	-0.14	-0.13	-0.17	-0.24	-0.30	-0.31	-0.08	+0.09	+0.24	+0.34	+0.43	+0.52	+0.53	0.20
OCT	II	-0.61	-0.71	-0.64	-0.34	+0.16	+0.69	+0.99	+0.79	+0.27	-0.06	-0.16	-0.23	-0.30	-0.36	-0.17	-0.07	+0.03	+0.09	+0.11	+0.16	+0.18	+0.19	+0.10	-0.16	0.32
NOV	I	-0.51	-0.21	+0.33	+0.66	+0.72	+0.68	+0.34	+0.11	-0.13	-0.50	-0.27	-0.24	-0.20	-0.30	-0.15	-0.14	-0.11	-0.13	+0.02	+0.02	+0.01	+0.02	-0.01	-0.05	0.24
DEC	I	-0.51	-0.34	-0.01	+0.30	+0.47	+0.50	+0.16	-0.24	-0.40	-0.49	-0.41	-0.29	-0.13	-0.09	-0.03	+0.03	+0.07	+0.07	+0.13	+0.18	+0.22	+0.26	+0.34	+0.26	0.25
MEANS	I	-0.61	-0.58	-0.37	-0.02	+0.39	+0.63	+0.52	+0.30	+0.11	-0.13	-0.12	-0.10	-0.06	-0.14	-0.13	-0.09	-0.08	-0.04	+0.05	+0.11	+0.08	+0.12	+0.15	+0.04	0.21
	II	-0.38	-0.48	-0.30	-0.05	+0.28	+0.44	+0.34	+0.19	+0.01	-0.17	-0.25	-0.22	-0.21	-0.25	-0.17	-0.13	-0.09	+0.06	+0.14	+0.22	+0.24	+0.29	+0.28	+0.19	0.22
	III	+0.49	+0.30	-0.01	-0.31	-0.44	-0.44	-0.47	-0.49	-0.36	-0.14	-0.02	-0.05	-0.15	-0.18	-0.15	-0.08	-0.03	+0.05	+0.18	+0.19	+0.30	+0.42	+0.59	+0.77	0.28
	YEAR	-0.17	-0.25	-0.23	-0.12	+0.08	+0.21	+0.13	0.00	-0.08	-0.15	-0.13	-0.12	-0.14	-0.19	-0.15	-0.10	-0.07	+0.02	+0.12	+0.17	+0.21	+0.28	+0.34	+0.33	0.16

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	-0.87	-0.83	+0.10	+0.99	+0.71	+0.66	+0.69	+0.26	+0.14	-0.16	-0.26	-0.33	-0.26	-0.30	-0.24	-0.25	-0.05	+0.10	+0.57	+0.21	+0.08	-0.03	-0.21	-0.76	0.38
FEB	I	+0.40	-0.57	-0.34	+0.34	+0.91	+0.90	+0.69	+0.62	+0.72	+0.77	+0.48	+0.11	-0.96	-0.66	-0.28	-0.74	-0.50	-0.47	-0.11	+0.53	-0.10	-0.08	-0.46	-1.22	0.54
MAR	II	+0.17	-0.03	-0.01	+0.37	+0.63	+0.74	+0.76	-0.01	-0.59	-1.18	-1.29	-1.47	-1.09	-0.85	+0.09	-0.28	+0.09	+0.74	+0.48	+1.13	+0.60	+0.49	+0.22	+0.28	0.57
APR	II	+0.75	+0.66	+1.31	+1.11	+0.94	+0.46	-0.29	-0.96	-2.12	-1.53	-1.57	-1.60	-1.32	-1.19	-1.03	-0.04	-0.05	+0.92	+1.95	+1.50	+1.53	+0.57	-0.13	+0.17	0.99
MAY	III	+1.77	+0.85	+0.42	+0.42	+0.24	-0.42	-0.68	-0.98	-0.39	-0.01	-0.43	-0.99	-0.87	-1.52	-1.08	-0.61	+0.12	-0.13	-0.04	+0.18	+0.84	+1.10	+0.95	+1.22	0.68
JUN	III	+2.22	+1.98	+1.47	+1.16	+0.23	+0.22	+0.07	-0.44	-1.27	-1.96	-1.60	-1.44	-1.29	-1.24	-1.41	-1.01	-0.19	+0.16	+0.40	+0.53	+0.67	+0.78	+0.84	+1.12	0.99
JUL	III	+2.46	+2.68	+2.00	+1.67	+1.40	+0.57	+0.10	+0.04	-0.31	-0.61	-0.63	-1.49	-2.55	-3.12	-2.92	-1.52	-0.64	-0.75	+0.03	+0.19	+0.35	+0.83	+1.01	+1.25	1.21
AUG	III	+3.14	+2.82	+1.48	+0.37	-0.01	-0.51	-0.36	-0.78	-0.77	-0.98	-1.07	-0.87	-1.73	-2.45	-1.39	-1.04	-0.68	+0.02	+0.01	+0.45	+0.77	+0.95	+1.14	+1.49	1.05
SEP	II	+2.48	+1.92	+1.18	+1.34	+0.88	+0.66	-0.06	-0.47	-0.16	-0.42	-1.30	-1.97	-1.82	-1.91	-1.00	-0.39	-0.71	-0.57	-0.20	+0.40	+0.65	+0.78	+0.32	+0.36	0.91
OCT	II	+0.80	-0.03	-0.95	-1.25	-0.39	+0.24	+0.47	-0.02	-0.64	-1.47	-1.32	-0.89	-1.20	-0.59	-0.09	+0.94	+0.90	+1.86	+1.92	+1.35	+0.49	-0.41	-0.29	+0.47	0.79
NOV	I	-0.01	0.00	+0.44	+0.67	+0.71	+0.90	+0.42	+0.22	-0.23	-0.51	-0.94	-1.68	-1.36	-1.26	-0.38	+0.04	+0.47	+0.41	+0.35	+0.32	+0.44	+0.64	+0.37	+0.02	0.53
DEC	I	+0.44	+0.56	+0.34	+0.45	+1.11	+1.01	+0.39	-0.03	-0.55	-0.54	-0.72	-0.83	-0.44	-0.80	-0.51	-0.01	+0.08	-0.11	+0.07	+0.08	+0.48	+0.07	+0.01	-0.55	0.42
MEANS	I	-0.01	-0.21	+0.14	+0.61	+0.86	+0.87	+0.55	+0.27	+0.02	-0.11	-0.36	-0.68	-0.76	-0.76	-0.35	-0.24	0.00	-0.02	+0.22	+0.28	+0.22	+0.15	-0.07	-0.63	0.35
	II	+1.05	+0.63	+0.38	+0.39	+0.52	+0.52	+0.22	-0.36	-0.88	-1.15	-1.37	-1.48	-1.36	-1.14	-0.51	+0.06	+0.06	+0.74	+1.04	+1.10	+0.82	+0.36	+0.03	+0.32	0.69
	III	+2.40	+2.08	+1.34	+0.90	+0.46	-0.04	-0.22	-0.54	-0.68	-0.89	-0.93	-1.20	-1.61	-2.08	-1.70	-1.04	-0.35	-0.18	+0.10	+0.34	+0.66	+0.92	+0.98	+1.27	0.95
	YEAR	+1.15	+0.83	+0.62	+0.64	+0.61	+0.45	+0.18	-0.21	-0.51	-0.72	-0.89	-1.12	-1.24	-1.32	-0.85	-0.41	-0.10	+0.18	+0.45	+0.57	+0.57	+0.47	+0.31	+0.32	0.61

TABLE 377

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 3	+ 4	+ 5	+ 4	+ 4	+ 7	+ 8	+ 6	- 2	-11	-16	-15	-14	-11	- 6	0	+ 6	+ 6	+ 4	+ 4	+ 4	+ 3	+ 4	+ 3	6.3
FEB	I	+ 5	+ 5	+ 8	+ 9	+ 7	+ 7	+ 7	+ 6	0	-10	-16	-16	-13	- 9	- 5	- 3	+ 2	+ 4	+ 4	+ 2	+ 1	+ 2	+ 2	+ 2	6.0
MAR	II	+ 5	+ 6	+ 8	+11	+ 9	+10	+10	+10	+ 4	- 2	- 7	-10	-10	- 7	- 6	- 5	- 6	- 8	- 8	- 6	- 3	- 1	+ 4	+ 4	6.6
APR	II	+ 3	+ 6	+12	+11	+11	+ 8	+ 7	+ 8	+ 6	+ 5	0	- 5	- 7	-11	-15	-15	-14	- 8	- 4	- 2	0	- 1	0	+ 3	6.8
MAY	III	+ 4	+ 4	+ 6	+ 7	+11	+14	+14	+18	+18	+13	+ 4	- 6	-12	-19	-24	-22	-16	- 9	- 4	- 2	- 1	- 2	0	+ 3	9.8
JUN	III	0	+ 2	+ 4	+ 5	+ 7	+ 9	+10	+12	+15	+13	+ 7	+ 1	- 8	-14	-15	-15	-11	- 7	- 4	- 3	- 3	- 3	- 3	- 2	7.3
JUL	III	- 1	+ 2	+ 3	+ 4	+ 5	+ 7	+11	+16	+19	+19	+13	+ 3	- 7	-16	-20	-18	-11	- 3	- 1	- 3	- 5	- 7	- 7	- 3	8.5
AUG	III	- 3	0	+ 1	+ 4	+ 6	+ 7	+10	+15	+20	+19	+12	+ 1	- 8	-16	-17	-17	-10	- 4	- 3	- 1	- 3	- 6	- 3	- 2	7.8
SEP	II	- 1	+ 1	+ 3	+ 5	+ 7	+ 9	+12	+16	+18	+15	+ 5	- 3	-12	-15	-16	-14	- 7	- 2	- 3	- 4	- 4	- 4	- 3	- 1	7.5
OCT	II	+ 6	+ 8	+11	+12	+ 8	+ 6	+ 9	+11	+ 5	- 2	-11	-16	-14	-12	- 7	- 4	- 3	- 4	- 3	- 2	- 3	0	0	+ 6	6.8
NOV	I	+ 2	+ 3	+ 4	+ 2	+ 2	+ 5	+ 7	+ 6	+ 1	- 1	- 2	- 3	- 4	- 3	- 4	- 2	- 1	- 2	- 2	- 4	- 3	- 2	0	+ 2	2.8
DEC	I	+ 3	+ 2	+ 3	+ 3	+ 3	+ 4	+ 6	+ 5	+ 2	+ 1	- 4	- 4	- 1	- 2	- 4	- 4	- 4	- 4	- 4	- 4	- 1	- 1	+ 1	+ 3	2.9
MEANS	I	+ 3.4	+ 3.4	+ 4.6	+ 4.4	+ 4.0	+ 5.4	+ 7.2	+ 5.4	+ 0.2	- 5.3	- 9.4	- 9.7	- 8.0	- 6.4	- 4.5	- 2.4	+ 0.9	+ 1.2	+ 0.4	- 0.4	+ 0.2	+ 0.8	+ 1.8	+ 2.3	3.8
	II	+ 3.1	+ 5.4	+ 8.4	+ 9.8	+ 8.8	+ 8.2	+ 9.3	+11.1	+ 8.2	+ 3.8	- 3.2	- 8.6	-10.9	-11.2	-11.0	- 9.4	- 7.4	- 5.4	- 4.3	- 3.5	- 2.7	- 1.4	+ 0.1	+ 3.1	6.6
	III	+ 0.2	+ 2.0	+ 3.6	+ 4.9	+ 7.2	+ 9.2	+11.2	+15.2	+18.0	+16.2	+ 9.1	0.0	- 8.4	-16.2	-19.1	-18.0	-12.0	- 5.8	- 3.2	- 2.4	- 3.2	- 4.6	- 3.0	- 1.3	8.1
	YEAR	+ 2.2	+ 3.6	+ 5.5	+ 6.3	+ 6.6	+ 7.6	+ 9.2	+10.6	+ 8.8	+ 4.9	- 1.2	- 6.1	- 9.1	-11.3	-11.5	- 9.9	- 6.2	- 3.4	- 2.4	- 2.1	- 1.9	- 1.8	- 0.3	+ 1.4	5.6

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	+ 1	+ 1	+ 1	+ 2	+ 4	+ 7	+ 7	+ 3	- 2	-10	-15	-15	-11	- 5	0	+ 6	+ 7	+ 5	+ 4	+ 3	+ 2	+ 2	+ 2	4.8
FEB	I	- 3	- 3	0	+ 2	+ 2	+ 1	+ 3	+ 4	- 3	-11	-17	-14	-10	- 7	- 4	- 1	+ 3	+ 6	+ 7	+ 8	+ 9	+ 9	+ 8	+11	6.0
MAR	II	- 1	0	- 1	+ 6	+ 6	+ 7	+ 9	+ 8	+ 3	- 4	- 6	- 7	-10	- 8	- 6	- 4	- 2	- 2	- 1	0	0	+ 2	+ 4	+ 4	4.1
APR	II	+ 3	+ 3	+ 4	+ 4	+ 4	+ 4	+ 3	+ 4	+ 6	+ 5	- 1	- 6	- 6	-10	-16	-15	- 9	- 2	+ 1	+ 4	+ 5	+ 4	+ 7	+ 6	5.5
MAY	III	0	+ 1	+ 2	+ 3	+ 4	+ 6	+ 8	+12	+15	+12	+ 4	- 5	-10	-14	-17	-16	- 9	- 4	0	0	0	0	+ 2	+ 4	6.2
JUN	III	- 6	- 3	- 1	0	+ 1	+ 3	+ 5	+ 7	+ 9	+ 8	+ 4	- 3	- 8	-10	-13	-10	- 2	+ 4	+ 5	+ 3	+ 1	+ 2	+ 2	+ 3	4.6
JUL	III	- 2	+ 1	0	0	+ 1	+ 2	+ 5	+10	+14	+15	+10	- 1	-10	-16	-19	-16	- 8	0	+ 4	+ 3	+ 1	0	+ 2	+ 3	5.9
AUG	III	- 3	- 2	- 1	+ 1	+ 2	+ 3	+ 7	+12	+15	+13	+ 8	+ 1	- 8	-14	-15	-13	- 9	- 2	+ 1	+ 2	+ 2	0	+ 1	0	5.7
SEP	II	- 2	+ 1	+ 2	+ 3	+ 3	+ 5	+ 9	+13	+13	+ 9	+ 2	- 7	-15	-19	-16	-12	- 5	0	+ 2	+ 3	+ 3	+ 4	+ 3	+ 2	6.5
OCT	II	- 4	- 5	- 1	+ 3	+ 4	+ 2	+ 4	+ 5	+ 3	- 2	- 8	-11	-11	- 7	- 1	+ 1	+ 2	+ 3	+ 5	+ 5	+ 4	+ 2	+ 3	+ 3	4.2
NOV	I	0	- 2	0	0	+ 2	+ 4	+ 6	+ 5	0	- 2	- 2	- 4	- 5	- 4	- 3	0	+ 1	- 1	+ 1	0	0	0	+ 3	+ 2	2.1
DEC	I	+ 4	+ 2	+ 3	+ 2	+ 1	+ 4	+ 8	+ 7	+ 3	0	- 4	- 6	- 7	- 7	- 6	- 6	- 3	- 2	- 2	- 1	+ 1	+ 1	+ 2	+ 4	3.6
MEANS	I	+ 0.6	- 0.4	+ 1.0	+ 1.3	+ 1.8	+ 3.2	+ 6.1	+ 5.7	+ 0.8	- 3.8	- 8.3	- 9.7	- 9.2	- 7.2	- 4.4	- 1.8	+ 1.8	+ 2.5	+ 2.6	+ 2.5	+ 3.3	+ 3.0	+ 3.7	+ 4.8	3.7
	II	- 1.2	- 0.2	+ 1.1	+ 3.8	+ 4.2	+ 4.4	+ 6.2	+ 7.7	+ 6.0	+ 2.0	- 3.0	- 7.9	-10.6	-10.8	- 9.9	- 7.5	- 3.3	- 0.1	+ 1.7	+ 3.2	+ 3.0	+ 3.1	+ 4.6	+ 4.0	4.6
	III	- 2.7	- 0.6	0.0	+ 0.9	+ 1.9	+ 3.5	+ 6.2	+10.3	+13.2	+12.2	+ 6.2	- 2.2	- 9.1	-13.2	-15.8	-14.0	- 7.0	- 0.5	+ 2.4	+ 2.1	+ 1.1	+ 0.6	+ 1.8	+ 2.4	5.4
	YEAR	- 1.1	- 0.4	+ 0.7	+ 2.0	+ 2.6	+ 3.7	+ 6.2	+ 7.9	+ 6.7	+ 3.4	- 1.7	- 6.6	- 9.6	-10.4	-10.1	- 7.8	- 2.8	+ 0.6	+ 2.2	+ 2.6	+ 2.5	+ 2.2	+ 3.3	+ 3.8	4.2

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H. Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 4	- 2	-13	-19	-16	- 8	- 1	+ 3	+ 7	+ 7	+ 5	+ 3	+ 2	+ 1	0	0	- 1	0	0	+ 2	+ 2	+ 5	+ 9	+10	5.1
FEB	I	- 3	- 9	-14	-18	-19	-16	-11	- 5	0	+ 2	+ 5	+ 6	+ 7	+ 6	+ 5	+ 6	+ 5	+ 7	+ 7	+ 8	+ 6	+ 7	+10	+10	8.0
MAR	II	+ 1	- 4	- 5	- 8	-11	-10	- 7	- 5	- 3	- 4	- 4	- 1	- 1	- 1	+ 1	+ 3	+ 3	+ 5	+ 6	+ 8	+ 9	+ 9	+10	+10	5.4
APR	II	+ 2	- 1	- 2	- 2	- 3	- 8	-16	-14	- 8	- 3	0	+ 2	+ 3	+ 2	+ 4	+ 3	+ 2	+ 3	+ 5	+ 4	+ 4	+ 6	+ 8	+10	4.8
MAY	III	+15	+12	+ 4	- 8	-12	-15	-19	-18	-11	- 5	- 1	- 1	- 1	- 1	+ 1	+ 2	+ 2	+ 3	+ 6	+ 6	+ 6	+ 8	+11	+17	7.8
JUN	III	+ 7	+ 5	0	- 4	- 8	-11	-15	-14	- 4	+ 3	+ 4	+ 4	+ 1	0	0	0	- 1	0	+ 2	+ 3	+ 3	+ 6	+ 9	+10	4.8
JUL	III	+12	+13	+ 5	- 6	-16	-21	-20	-16	- 9	- 2	+ 1	+ 1	+ 1	0	+ 1	+ 1	+ 2	+ 3	+ 4	+ 5	+ 7	+ 8	+10	+14	7.5
AUG	III	+16	+14	+ 8	0	-12	-19	-20	-18	-12	- 3	+ 1	+ 2	+ 1	0	0	- 1	0	0	+ 2	+ 3	+ 5	+ 8	+10	+14	7.1
SEP	II	+12	+ 7	0	-10	-15	-18	-15	-11	- 4	- 1	- 1	+ 1	+ 2	+ 1	0	- 1	- 2	+ 1	+ 3	+ 5	+ 7	+ 9	+13	+17	6.4
OCT	II	+ 2	- 5	-12	-17	-17	-11	- 3	+ 1	+ 1	+ 1	+ 1	+ 1	0	- 1	+ 2	+ 3	+ 4	+ 4	+ 4	+ 5	+ 6	+ 9	+11	+10	5.6
NOV	I	- 1	- 2	0	- 2	- 5	- 5	- 7	- 4	- 2	- 4	0	- 1	- 1	- 1	0	0	0	0	+ 2	+ 2	+ 3	+ 6	+ 9	+10	2.7
DEC	I	0	- 2	- 4	- 4	- 6	- 6	- 8	-10	- 8	- 7	- 4	- 2	0	0	+ 2	+ 3	+ 4	+ 3	+ 4	+ 4	+ 6	+ 8	+12	+14	5.0
MEANS	I	+ 0.2	- 3.6	- 7.8	-10.6	-11.2	- 8.8	- 6.6	- 3.8	- 0.4	- 0.4	+ 1.4	+ 1.3	+ 2.2	+ 1.6	+ 1.8	+ 2.2	+ 2.0	+ 2.3	+ 3.2	+ 4.1	+ 4.1	+ 6.5	+10.0	+10.8	4.4
	II	+ 4.1	- 1.0	- 4.8	- 9.3	-11.8	-11.6	-10.4	- 7.2	- 3.4	- 1.6	- 1.0	+ 0.6	+ 1.0	+ 0.4	+ 1.8	+ 2.1	+ 1.8	+ 3.4	+ 4.4	+ 5.6	+ 6.2	+ 8.0	+10.2	+11.6	5.2
	III	+12.7	+11.2	+ 4.6	- 4.6	-12.0	-16.4	-18.8	-16.6	- 9.0	- 1.8	+ 1.2	+ 1.2	+ 0.4	- 0.2	+ 0.4	+ 0.7	+ 0.7	+ 1.7	+ 3.6	+ 4.4	+ 5.4	+ 7.4	+10.1	+13.7	6.6
	YEAR	+ 5.7	+ 2.2	- 2.7	- 8.2	-11.7	-12.2	-11.9	- 9.2	- 4.3	- 1.3	+ 0.5	+ 1.0	+ 1.2	+ 0.6	+ 1.3	+ 1.6	+ 1.5	+ 2.5	+ 3.8	+ 4.7	+ 5.2	+ 7.3	+10.1	+12.1	5.1

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 5	-14	-15	- 6	- 8	- 4	+ 2	+ 1	+ 4	+ 1	0	- 1	+ 1	+ 2	+ 2	+ 1	+ 3	+ 6	+12	+ 6	+ 5	+ 4	+ 4	- 2	4.6
FEB	I	+11	- 9	-13	-13	- 9	- 8	- 5	+ 4	+13	+19	+16	+10	- 4	+ 3	+ 6	- 2	+ 2	+ 1	+ 2	+ 9	- 2	- 4	- 9	-18	7.9
MAR	II	+ 4	0	- 6	- 6	- 4	- 2	+ 1	- 4	- 9	-12	-14	-15	- 9	- 5	+ 6	+ 3	+ 6	+16	+11	+18	+ 8	+ 5	0	+ 4	7.1
APR	II	+16	+14	+20	+10	+ 1	- 6	-16	-22	-34	-21	-16	-13	- 8	- 6	- 6	+ 6	+ 3	+13	+27	+17	+18	+ 6	- 3	0	12.7
MAY	III	+30	+15	+ 7	+ 6	- 2	-17	-23	-23	-12	+ 1	- 5	-10	- 6	-12	- 8	- 2	+ 5	0	- 1	+ 2	+10	+14	+12	+17	10.0
JUN	III	+38	+34	+25	+16	- 2	- 6	- 9	-14	-22	-28	-22	-17	-14	-14	-18	-11	- 1	+ 3	+ 5	+ 7	+ 9	+12	+12	+17	14.8
JUL	III	+42	+48	+37	+26	+16	- 2	-11	-10	-10	-10	- 8	-20	-29	-38	-34	-15	- 8	- 8	- 2	0	+ 1	+ 6	+12	+17	7.2
AUG	III	+49	+45	+24	0	- 8	-20	-21	-25	-16	-14	-10	- 6	-16	-28	- 8	- 6	- 7	+ 2	+ 2	+ 6	+11	+10	+15	+20	5.4
SEP	II	+48	+38	+21	+14	0	- 4	-16	-18	- 8	- 5	-17	-27	-21	-20	- 8	+ 2	- 5	- 4	- 3	+ 3	+ 6	+ 8	+ 7	+ 9	13.1
OCT	II	+19	+ 1	-24	-39	-30	-20	- 8	- 9	- 9	-16	-12	- 5	- 6	+ 2	+ 8	+22	+21	+33	+35	+26	+ 6	- 5	- 1	+ 8	15.1
NOV	I	+ 7	0	0	- 4	- 8	- 4	- 8	- 4	- 4	- 4	- 6	-17	-15	-12	0	+ 6	+11	+ 8	+ 6	+ 6	+ 8	+14	+13	+ 8	7.3
DEC	I	+ 8	+ 6	- 5	- 7	+ 3	+ 1	- 6	- 6	- 8	- 5	- 7	- 9	- 2	- 6	0	+ 6	+ 6	+ 2	+ 4	+ 4	+10	+ 6	+ 5	- 3	5.2
MEANS	I	+ 5.4	- 4.2	- 8.2	- 7.5	- 5.5	- 4.0	- 4.2	- 1.4	+ 1.3	+ 2.6	+ 0.8	- 4.4	- 4.7	- 3.2	+ 2.4	+ 2.8	+ 5.8	+ 4.4	+ 6.2	+ 6.2	+ 4.8	+ 5.0	+ 3.4	- 3.7	4.2
	II	+21.8	+13.3	+ 2.6	- 5.2	- 8.0	- 8.0	-10.0	-13.2	-15.0	-13.4	-14.5	-14.8	-11.0	- 7.3	0.0	+ 8.3	+ 6.2	+14.6	+17.7	+16.0	+ 9.7	+ 3.6	+ 0.8	+ 5.4	10.0
	III	+39.6	+35.6	+23.3	+12.1	+ 1.1	-11.1	-15.9	-18.1	-14.8	-12.9	-11.5	-13.3	-16.2	-23.2	-16.7	- 8.5	- 2.7	- 1.0	+ 1.0	+ 3.9	+ 7.8	+10.5	+12.8	+17.9	13.8
	YEAR	+22.3	+14.9	+ 5.9	- 0.2	- 4.1	- 7.7	-10.1	-10.9	- 9.5	- 7.9	- 8.4	-10.8	-10.6	-11.3	- 4.8	+ 0.8	+ 3.1	+ 6.0	+ 8.3	+ 8.7	+ 7.4	+ 6.4	+ 5.7	+ 6.6	8.0

TABLE 378

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 3	+ 4	+ 5	+ 4	+ 4	+ 6	+ 7	+ 3	- 5	-13	-18	-15	-13	-10	- 4	+ 2	+ 8	+ 8	+ 5	+ 4	+ 4	+ 4	+ 4	+ 3	6.5
FEB	I	+ 4	+ 5	+ 7	+ 8	+ 6	+ 6	+ 7	+ 4	- 2	-13	-18	-17	-12	- 7	- 2	- 1	+ 4	+ 5	+ 4	+ 3	+ 2	+ 3	+ 2	+ 2	6.2
MAR	II	+ 5	+ 6	+ 7	+11	+ 9	+10	+10	+ 9	+ 2	- 4	- 9	-10	- 9	- 6	- 5	- 3	- 4	- 7	- 7	- 6	- 3	- 1	+ 4	+ 4	6.3
APR	II	+ 2	+ 6	+12	+11	+11	+ 8	+ 7	+ 8	+ 5	+ 3	- 1	- 6	- 7	-10	-13	-13	-13	- 7	- 4	- 2	- 1	- 1	- 1	+ 3	6.5
MAY	III	+ 4	+ 4	+ 6	+ 7	+11	+14	+14	+18	+18	+12	+ 3	- 6	-12	-19	-24	-21	-14	- 8	- 4	- 2	- 1	- 2	0	+ 2	9.5
JUN	III	0	+ 2	+ 4	+ 5	+ 7	+ 9	+10	+13	+15	+13	+ 6	0	- 8	-13	-14	-13	-10	- 6	- 4	- 3	- 3	- 3	- 3	- 3	7.1
JUL	III	- 1	+ 1	+ 3	+ 4	+ 5	+ 8	+11	+16	+19	+18	+12	+ 2	- 8	-15	-19	-17	-10	- 3	0	- 2	- 6	- 8	- 7	- 4	8.2
AUG	III	- 3	- 1	+ 1	+ 4	+ 6	+ 7	+10	+15	+19	+18	+10	0	- 9	-16	-16	-15	- 9	- 3	- 2	- 1	- 3	- 6	- 3	- 3	7.5
SEP	II	- 1	+ 1	+ 3	+ 5	+ 7	+ 9	+12	+15	+16	+13	+ 3	- 5	-12	-14	-14	-12	- 5	- 1	- 2	- 4	- 4	- 4	- 3	- 1	7.0
OCT	II	+ 5	+ 8	+10	+12	+ 9	+ 6	+ 8	+ 9	+ 3	- 5	-13	-17	-14	-10	- 5	- 2	- 1	- 2	- 2	- 1	- 3	0	- 1	+ 6	6.4
NOV	I	+ 2	+ 3	+ 4	+ 2	+ 2	+ 4	+ 6	+ 4	- 1	- 4	- 3	- 4	- 3	- 1	- 1	0	0	- 1	- 2	- 4	- 3	- 2	0	+ 1	2.5
DEC	I	+ 3	+ 2	+ 3	+ 3	+ 3	+ 3	+ 4	+ 2	- 1	- 2	- 5	- 4	0	0	- 1	- 2	- 2	- 3	- 3	- 3	0	- 1	+ 1	+ 3	2.3
MEANS	I	+ 3.3	+ 3.2	+ 4.6	+ 4.4	+ 3.9	+ 5.0	+ 6.2	+ 3.5	- 2.4	- 7.8	-11.1	-10.2	- 7.2	- 4.6	- 2.3	- 0.3	+ 2.4	+ 2.2	+ 1.0	+ 0.1	+ 0.6	+ 1.0	+ 1.9	+ 2.2	3.8
	II	+ 2.8	+ 5.2	+ 8.3	+ 9.8	+ 8.8	+ 8.2	+ 9.0	+10.3	+ 6.6	+ 1.8	- 5.2	- 9.6	-10.6	-10.1	- 9.2	- 7.6	- 5.9	- 4.5	- 3.7	- 3.1	- 2.5	- 1.5	0.0	+ 2.8	6.1
	III	- 0.2	+ 1.6	+ 3.4	+ 4.8	+ 7.2	+ 9.4	+11.4	+15.4	+17.8	+15.4	+ 8.0	- 1.0	- 8.9	-15.9	-18.1	-16.6	-10.8	- 5.1	- 2.7	- 2.1	- 3.3	- 4.9	- 3.5	- 1.9	7.9
	YEAR	+ 2.0	+ 3.4	+ 5.4	+ 6.4	+ 6.6	+ 7.5	+ 8.8	+ 9.8	+ 7.3	+ 3.1	- 2.8	- 6.9	- 8.9	-10.2	- 9.9	- 8.2	- 4.7	- 2.4	- 1.8	- 1.7	- 1.7	- 1.8	- 0.6	+ 1.1	5.1

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	0	+ 1	+ 1	+ 1	+ 3	+ 6	+ 5	+ 1	- 4	-12	-16	-15	- 9	- 3	+ 2	+ 7	+ 9	+ 6	+ 4	+ 3	+ 2	+ 2	+ 2	4.9
FEB	I	- 3	- 3	0	+ 2	+ 2	+ 1	+ 3	+ 2	- 6	-14	-20	-15	- 9	- 6	- 1	+ 1	+ 5	+ 7	+ 8	+ 8	+ 9	+10	+ 8	+11	6.5
MAR	II	- 2	0	- 1	+ 6	+ 6	+ 7	+ 8	+ 7	+ 1	- 6	- 8	- 8	- 9	- 6	- 4	- 2	0	- 1	0	+ 1	+ 1	+ 2	+ 5	+ 4	4.0
APR	II	+ 2	+ 2	+ 4	+ 4	+ 4	+ 4	+ 3	+ 4	+ 4	+ 3	- 3	- 8	- 7	- 9	-15	-14	- 7	- 1	+ 2	+ 4	+ 5	+ 4	+ 7	+ 6	5.3
MAY	III	- 1	+ 1	+ 2	+ 3	+ 4	+ 6	+ 8	+12	+14	+11	+ 3	- 6	-10	-13	-16	-14	- 8	- 3	+ 1	0	0	- 1	+ 2	+ 3	6.0
JUN	III	- 6	- 3	- 1	0	+ 1	+ 3	+ 5	+ 7	+ 8	+ 8	+ 3	- 4	- 8	-10	-12	- 9	- 1	+ 4	+ 5	+ 3	+ 1	+ 2	+ 2	+ 3	4.5
JUL	III	- 2	+ 1	0	0	+ 1	+ 2	+ 5	+10	+14	+14	+ 8	- 2	-11	-15	-18	-15	- 7	0	+ 4	+ 3	+ 1	0	+ 2	+ 3	5.8
AUG	III	- 4	- 2	- 1	+ 1	+ 2	+ 3	+ 7	+12	+14	+12	+ 6	- 1	- 9	-14	-14	-12	- 8	- 1	+ 2	+ 2	+ 2	+ 1	+ 1	0	5.5
SEP	II	- 2	+ 1	+ 2	+ 3	+ 4	+ 5	+ 9	+12	+11	+ 7	0	- 9	-16	-18	-15	-10	- 4	+ 1	+ 3	+ 4	+ 3	+ 4	+ 4	+ 3	6.2
OCT	II	- 5	- 5	0	+ 3	+ 4	+ 2	+ 3	+ 4	0	- 5	-10	-13	-11	- 5	+ 1	+ 4	+ 4	+ 4	+ 5	+ 6	+ 5	+ 3	+ 3	+ 3	4.5
NOV	I	0	- 2	0	0	+ 2	+ 3	+ 5	+ 3	- 2	- 5	- 4	- 5	- 4	- 3	- 1	+ 2	+ 3	0	+ 2	+ 1	+ 1	0	+ 3	+ 3	2.3
DEC	I	+ 4	+ 2	+ 3	+ 2	+ 1	+ 4	+ 7	+ 5	0	- 2	- 6	- 6	- 6	- 5	- 4	- 4	- 2	- 1	- 1	- 1	+ 2	+ 1	+ 3	+ 4	3.2
MEANS	I	+ 0.5	- 0.5	+ 1.1	+ 1.3	+ 1.7	+ 2.8	+ 5.1	+ 4.0	- 1.7	- 6.4	-10.4	-10.8	- 8.8	- 5.6	- 2.3	+ 0.3	+ 3.5	+ 3.6	+ 3.4	+ 3.1	+ 3.8	+ 3.3	+ 4.0	+ 4.9	3.9
	II	- 1.4	- 0.3	+ 1.1	+ 4.0	+ 4.3	+ 4.4	+ 6.0	+ 6.9	+ 4.2	- 0.3	- 5.2	- 9.2	-10.7	- 9.9	- 8.2	- 5.8	- 1.8	+ 0.9	+ 2.4	+ 3.7	+ 3.4	+ 3.3	+ 4.6	+ 4.0	4.4
	III	- 2.9	- 0.8	0.0	+ 1.0	+ 2.0	+ 3.6	+ 6.3	+10.3	+12.8	+11.2	+ 5.0	- 3.2	- 9.6	-13.0	-14.9	-12.7	- 5.9	+ 0.2	+ 2.7	+ 2.3	+ 1.1	+ 0.4	+ 1.6	+ 2.2	5.2
	YEAR	- 1.3	- 0.5	+ 0.7	+ 2.1	+ 2.6	+ 3.6	+ 5.8	+ 7.1	+ 5.1	+ 1.5	- 3.5	- 7.7	- 9.7	- 9.5	- 8.5	- 6.0	- 1.4	+ 1.6	+ 2.8	+ 3.0	+ 2.8	+ 2.4	+ 3.4	+ 3.7	4.0

TABLE 378--CONCLUDED

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED -- A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	- 4	-16	-20	-15	- 7	+ 1	+ 6	+ 9	+ 8	+ 6	+ 3	+ 3	+ 2	0	0	- 1	- 1	0	+ 2	+ 2	+ 4	+ 8	+ 8	5.3
FEB	I	- 5	-12	-17	-19	-19	-15	- 8	- 2	+ 2	+ 4	+ 6	+ 7	+ 8	+ 6	+ 5	+ 6	+ 5	+ 7	+ 7	+ 8	+ 6	+ 6	+ 9	+ 9	8.3
MAR	II	- 1	- 6	- 6	- 9	-11	- 8	- 6	- 3	- 2	- 3	- 4	- 1	- 1	0	+ 1	+ 3	+ 3	+ 5	+ 6	+ 8	+ 8	+ 9	+ 9	+ 9	5.1
APR	II	0	- 3	- 4	- 3	- 4	- 7	-15	-12	- 6	- 2	0	+ 2	+ 3	+ 2	+ 4	+ 3	+ 2	+ 3	+ 5	+ 4	+ 4	+ 6	+ 8	+ 9	4.7
MAY	III	+14	+11	+ 3	- 9	-13	-14	-18	-17	-10	- 5	0	- 1	- 1	- 1	+ 1	+ 2	+ 2	+ 3	+ 6	+ 6	+ 6	+ 8	+11	+17	7.5
JUN	III	+ 7	+ 4	0	- 5	- 8	-11	-14	-12	- 3	+ 3	+ 4	+ 4	+ 1	0	0	0	- 1	0	+ 2	+ 3	+ 3	+ 6	+ 9	+10	4.6
JUL	III	+12	+12	+ 4	- 7	-17	-21	-19	-15	- 8	- 2	+ 1	+ 1	+ 1	0	+ 1	+ 1	+ 2	+ 4	+ 5	+ 6	+ 8	+ 8	+10	+14	7.4
AUG	III	+16	+13	+ 7	- 2	-13	-19	-20	-17	-11	- 2	+ 1	+ 2	+ 1	0	0	- 1	0	0	+ 2	+ 4	+ 5	+ 8	+11	+15	7.0
SEP	II	+10	+ 4	- 2	-12	-16	-17	-14	-10	- 2	0	0	+ 2	+ 2	+ 2	0	- 1	- 2	+ 1	+ 3	+ 5	+ 7	+ 9	+13	+16	6.3
OCT	II	- 1	- 8	-15	-18	-17	-10	- 1	+ 4	+ 3	+ 2	+ 2	+ 2	+ 1	- 1	+ 2	+ 3	+ 4	+ 4	+ 4	+ 5	+ 6	+ 8	+10	+ 8	5.8
NOV	I	- 3	- 4	- 2	- 3	- 4	- 3	- 5	- 2	0	- 4	0	- 1	0	- 1	0	0	0	0	+ 2	+ 2	+ 3	+ 6	+ 8	+ 8	2.6
DEC	1	- 2	- 4	- 6	- 5	- 5	- 4	- 6	- 8	- 6	- 6	- 4	- 2	0	+ 1	+ 2	+ 3	+ 4	+ 3	+ 4	+ 5	+ 6	+ 8	+11	+12	4.9
MEANS	I	- 2.2	- 6.2	-10.0	-11.7	-10.9	- 7.3	- 4.4	- 1.6	+ 1.2	+ 0.7	+ 2.0	+ 1.9	+ 2.7	+ 2.0	+ 2.1	+ 2.3	+ 2.1	+ 2.3	+ 3.3	+ 4.1	+ 4.0	+ 6.1	+ 9.0	+ 9.1	4.6
	II	+ 2.1	- 3.2	- 6.8	-10.6	-11.9	-10.5	- 8.9	- 5.4	- 1.8	- 0.6	- 0.3	+ 1.1	+ 1.4	+ 0.7	+ 2.0	+ 2.2	+ 1.8	+ 3.4	+ 4.5	+ 5.6	+ 6.2	+ 7.9	+ 9.8	+10.6	5.0
	III	+12.2	+10.0	+ 3.3	- 5.8	-12.6	-16.2	-17.8	-15.4	- 8.0	- 1.3	+ 1.6	+ 1.4	+ 0.4	- 0.3	+ 0.2	+ 0.6	+ 0.7	+ 1.7	+ 3.6	+ 4.5	+ 5.5	+ 7.6	+10.2	+13.8	6.4
	YEAR	+ 4.0	+0.2	- 4.5	- 9.3	-11.8	-11.3	-10.4	- 7.5	- 2.9	- 0.4	+ 1.1	+ 1.5	+ 1.5	+ 0.8	+ 1.4	+ 1.7	+ 1.5	+ 2.5	+ 3.8	+ 4.8	+ 5.2	+ 7.2	+ 9.7	+11.2	4.8

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 8	-17	-16	- 6	- 7	- 2	+ 4	+ 2	+ 5	+ 2	+ 1	0	+ 2	+ 2	+ 2	+ 1	+ 3	+ 5	+12	+ 5	+ 4	+ 4	+ 3	- 3	4.9
FEB	I	+ 9	-11	-15	-13	- 8	- 5	- 2	+ 6	+15	+20	+17	+11	- 3	+ 3	+ 6	- 3	+ 1	0	+ 1	+ 8	- 3	- 4	- 9	-20	8.1
MAR	II	+ 3	- 2	- 8	- 6	- 3	0	+ 3	- 3	- 7	-11	-14	-15	- 9	- 6	+ 6	+ 2	+ 6	+16	+11	+18	+ 8	+ 5	0	+ 4	7.0
APR	II	+15	+13	+18	+ 9	+ 2	- 5	-15	-20	-32	-20	-16	-14	- 9	- 8	- 8	+ 5	+ 2	+13	+28	+17	+20	+ 7	- 3	+ 1	12.5
MAY	III	+30	+15	+ 6	+ 5	- 2	-16	-22	-22	-10	+ 2	- 4	- 9	- 6	-14	- 9	- 3	+ 4	- 1	- 2	+ 2	+10	+14	+12	+17	9.9
JUN	III	+38	+34	+25	+16	- 2	- 5	- 8	-12	-20	-27	-22	-17	-15	-15	-19	-13	- 2	+ 2	+ 5	+ 7	+ 9	+12	+13	+18	14.8
JUL	III	+42	+48	+36	+26	+16	- 2	-10	- 8	- 8	- 9	- 7	-19	-29	-39	-35	-17	- 9	-10	- 2	- 1	0	+ 7	+12	+17	17.0
AUG	III	+50	+45	+23	- 1	- 8	-20	-19	-23	-14	-12	-10	- 6	-16	-29	-10	- 8	- 8	+ 1	+ 1	+ 6	+11	+10	+15	+21	15.3
SEP	II	+47	+36	+19	+13	+ 1	- 3	-14	-15	- 6	- 4	-16	-26	-21	-21	- 9	+ 1	- 6	- 6	- 4	+ 3	+ 7	+ 8	+ 6	+ 8	12.5
OCT	II	+16	- 2	-26	-39	-29	-18	- 6	- 6	- 7	-15	-11	- 4	- 6	+ 2	+ 8	+22	+20	+33	+35	+26	+ 6	- 6	- 2	+ 6	14.5
NOV	I	+ 4	- 2	- 1	- 4	- 7	- 2	- 5	- 1	- 2	- 3	- 6	-17	-14	-13	0	+ 5	+11	+ 8	+ 6	+ 5	+ 7	+13	+12	+ 6	6.5
DEC	1	+ 6	+ 3	- 7	- 7	+ 4	+ 3	- 3	- 4	- 5	- 4	- 6	- 8	- 1	- 6	0	+ 6	+ 6	+ 2	+ 4	+ 4	+ 9	+ 5	+ 3	- 6	4.6
MEANS	I	+ 2.9	- 6.6	- 9.7	- 7.5	- 4.3	- 1.8	- 1.7	+ 0.9	+ 3.1	+ 4.0	+ 1.6	- 3.7	- 4.3	- 3.3	+ 2.1	+ 2.4	+ 5.2	+ 3.7	+ 5.8	+ 5.7	+ 4.4	+ 4.4	+ 2.2	- 5.6	4.0
	II	+20.4	+11.5	+ 1.0	- 5.8	- 7.4	- 6.5	- 8.0	-11.1	-13.2	-12.2	-14.0	-14.7	-11.4	- 8.1	- 0.7	+ 7.5	+ 5.6	+14.2	+17.5	+15.9	+10.1	+ 3.7	+ 0.6	+ 4.9	9.4
	III	+39.8	+35.3	+22.5	+11.4	+ 0.8	-10.6	-14.6	-16.4	-13.1	-11.6	-10.6	-12.7	-16.6	-24.0	-18.2	-10.0	- 3.6	- 1.9	+ 0.4	+ 3.5	+ 7.7	+10.8	+13.0	+18.3	13.6
	YEAR	+21.0	+13.4	+ 4.6	- 0.6	- 3.6	- 6.3	- 8.1	- 8.8	- 7.7	- 6.6	- 7.7	-10.4	-10.8	-11.8	- 5.6	0.0	+ 2.4	+ 5.4	+ 7.9	+ 8.4	+ 7.4	+ 6.3	+ 5.3	+ 5.9	7.3

TABLE 379

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 2	- 2	- 2	- 3	- 5	-11	-23	-36	-47	-44	-25	0	+19	+32	+36	+32	+26	+19	+12	+ 9	+ 7	+ 4	+ 2	0	16.7
FEB	I	- 4	- 6	- 4	- 4	- 3	- 3	-12	-28	-42	-47	-38	-18	+11	+31	+42	+39	+30	+20	+13	+11	+ 7	+ 4	+ 2	- 1	17.6
MAR	II	- 5	- 5	- 3	- 1	- 2	- 2	- 6	-15	-30	-36	-30	-11	+ 9	+22	+30	+30	+25	+16	+12	+ 6	+ 4	0	- 1	- 5	12.8
APR	II	- 7	- 2	+ 2	+ 2	+ 2	0	- 1	- 4	-18	-25	-25	-16	0	+15	+23	+26	+21	+16	+ 8	+ 4	- 2	- 5	- 7	- 8	10.0
MAY	III	- 9	- 7	- 3	- 2	0	+ 2	+ 3	+ 4	- 6	-14	-16	-13	- 3	+ 7	+18	+24	+26	+14	+ 9	+ 3	- 3	- 9	-10	-13	9.1
JUN	III	- 7	- 5	- 3	0	+ 1	+ 1	+ 1	+ 2	- 4	-12	-14	-11	- 1	+ 8	+17	+22	+18	+10	+ 5	0	- 4	- 7	- 9	-10	7.1
JUL	III	- 7	- 6	- 1	0	+ 1	+ 4	+ 5	+ 4	- 5	-16	-22	-20	- 9	+ 5	+21	+28	+22	+13	+ 8	+ 5	- 3	- 6	-10	-10	9.7
AUG	III	- 5	- 3	- 2	- 1	0	+ 2	+ 4	+ 3	- 7	-18	-28	-25	-16	0	+17	+28	+26	+17	+11	+ 8	+ 3	0	- 7	- 7	9.9
SEP	II	- 4	- 3	0	+ 2	+ 4	+ 4	- 2	-12	-28	-39	-39	-25	- 5	+14	+28	+33	+29	+19	+13	+10	+ 6	0	- 1	- 4	13.5
OCT	II	- 4	- 3	- 3	- 1	+ 1	- 5	-12	-24	-39	-42	-35	-16	+ 8	+29	+39	+39	+29	+20	+12	+ 9	+ 4	0	- 2	- 3	15.8
NOV	I	- 2	- 1	0	+ 1	0	- 7	-18	-30	-40	-41	-29	-10	+11	+29	+38	+36	+26	+16	+ 8	+ 6	+ 6	+ 3	0	- 1	15.0
DEC	I	- 2	- 1	+ 2	+ 1	- 2	-11	-22	-37	-44	-42	-26	- 4	+15	+29	+36	+34	+26	+18	+11	+ 9	+ 8	+ 3	+ 1	- 1	16.0
MEANS	I	- 2.4	- 2.3	- 1.0	- 1.2	- 2.7	- 8.2	-18.8	-32.9	-43.4	-43.3	-29.8	- 7.8	+14.3	+30.3	+38.0	+35.3	+27.0	+18.3	+11.2	+ 8.8	+ 7.0	+ 3.5	+ 1.2	- 0.8	16.2
	II	- 5.0	- 3.2	- 1.1	+ 0.4	+ 1.2	- 0.5	- 5.4	-13.8	-28.6	-35.6	-32.2	-17.2	+ 3.0	+20.0	+30.2	+31.8	+26.1	+17.8	+11.0	+ 7.6	+ 3.0	- 1.4	- 2.8	- 5.1	12.7
	III	- 7.0	- 5.3	- 2.4	- 0.6	+ 0.6	+ 2.2	+ 3.3	+ 3.3	- 5.5	-14.8	-19.9	-17.2	- 7.4	+ 4.9	+18.4	+25.4	+22.8	+13.5	+ 8.2	+ 4.0	- 1.5	- 5.5	- 9.0	- 9.8	8.9
	YEAR	- 4.8	- 3.6	- 1.5	- 0.5	- 0.3	- 2.1	- 7.0	-14.5	-25.8	-31.2	-27.3	-14.1	+ 3.3	+18.4	+28.8	+30.8	+25.3	+16.5	+10.2	+ 6.8	+ 2.8	- 1.1	- 3.5	- 5.3	11.9

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 1	- 2	- 3	- 4	- 5	-10	-20	-31	-44	-45	-34	-16	+ 7	+28	+37	+37	+31	+24	+17	+12	+ 9	+ 6	+ 5	+ 2	17.9
FEB	I	- 4	- 4	0	0	+ 1	- 3	-12	-27	-46	-54	-48	-26	+ 5	+28	+42	+41	+32	+22	+14	+12	+10	+ 8	+ 6	+ 4	18.6
MAR	II	- 5	- 6	- 4	- 1	0	- 1	- 6	-16	-32	-38	-30	-13	+ 6	+20	+28	+28	+23	+16	+12	+ 8	+ 6	+ 4	+ 2	0	12.7
APR	II	- 1	- 3	- 2	+ 1	0	+ 1	+ 2	- 5	-20	-29	-30	-21	- 6	+10	+22	+26	+24	+16	+ 9	+ 6	+ 3	+ 1	- 3	- 4	10.2
MAY	III	- 5	- 3	- 1	+ 1	0	+ 1	- 1	- 4	-13	-21	-22	-16	- 5	+ 6	+18	+25	+22	+15	+10	+ 6	+ 1	- 3	- 6	- 6	8.8
JUN	III	- 6	- 4	- 1	+ 1	+ 1	+ 1	0	- 1	- 6	-14	-14	-10	0	+10	+18	+20	+14	+ 6	+ 2	- 1	- 2	- 4	- 4	- 4	5.9
JUL	III	- 4	- 3	+ 1	+ 2	+ 2	+ 2	+ 5	+ 4	- 7	-18	-24	-22	-12	+ 3	+18	+24	+19	+ 9	+ 5	+ 2	0	- 1	- 3	- 2	8.0
AUG	III	- 2	0	+ 1	+ 1	+ 1	+ 2	+ 3	+ 2	- 9	-18	-25	-23	-12	+ 1	+14	+21	+20	+11	+ 6	+ 5	+ 3	+ 1	- 1	- 1	7.6
SEP	II	- 1	- 1	+ 1	+ 1	+ 2	+ 4	+ 1	-11	-30	-42	-43	-30	- 6	+15	+28	+33	+27	+18	+11	+10	+ 6	+ 4	+ 2	+ 1	13.7
OCT	II	- 3	0	+ 2	+ 6	+ 2	- 3	-10	-27	-44	-48	-41	-23	+ 3	+24	+36	+35	+28	+18	+13	+11	+ 8	+ 7	+ 4	+ 3	16.5
NOV	I	- 2	0	+ 1	+ 2	+ 1	- 6	-16	-30	-40	-43	-34	-16	+ 7	+26	+36	+35	+26	+17	+10	+ 9	+ 7	+ 5	+ 3	+ 2	15.6
DEC	I	+ 1	+ 1	+ 2	+ 2	- 1	- 9	-17	-32	-42	-42	-30	-10	+11	+27	+34	+31	+24	+16	+10	+ 7	+ 7	+ 6	+ 4	+ 2	15.3
MEANS	I	- 1.6	- 1.1	+ 0.2	+ 0.2	- 1.2	- 7.1	-16.3	-29.9	-42.9	-45.9	-36.4	-17.0	+ 7.4	+27.2	+37.2	+35.8	+28.2	+19.6	+12.6	+ 9.9	+ 8.3	+ 6.1	+ 4.4	+ 2.2	16.6
	II	- 2.6	- 2.3	- 0.6	+ 1.7	+ 0.9	+ 0.3	- 3.2	-14.6	-31.6	-39.3	-35.9	-21.6	- 0.9	+17.2	+28.2	+30.4	+25.4	+16.8	+11.4	+ 8.8	+ 6.2	+ 3.9	+ 1.1	- 0.1	12.7
	III	- 4.1	- 2.3	+ 0.1	+ 1.3	+ 1.0	+ 1.4	+ 1.8	+ 0.3	- 8.8	-17.7	-21.2	-17.9	- 7.2	+ 4.8	+16.9	+22.2	+18.9	+10.4	+ 5.7	+ 2.8	+ 0.4	- 1.8	- 3.5	- 3.6	7.3
	YEAR	- 2.8	- 1.9	- 0.1	+ 1.1	+ 0.3	- 1.8	- 5.9	-14.7	-27.7	-34.3	-31.2	-18.8	- 0.2	+16.4	-27.5	+29.5	+24.2	+15.6	+ 9.9	+ 7.2	+ 5.0	+ 2.7	+ 0.7	- 0.5	11.7

TABLE 379--CONCLUDED

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-43	-45	-36	-19	+ 6	+32	+43	+40	+30	+20	+14	+11	+ 8	+ 6	+ 5	+ 2	- 1	- 1	- 2	- 4	- 4	- 9	-19	-32	18.1
FEB	I	-45	-53	-49	-30	- 1	+25	+41	+44	+35	+24	+16	+12	+11	+ 8	+ 5	+ 4	+ 1	- 2	- 2	- 1	- 2	- 5	-11	-24	18.8
MAR	II	-34	-38	-29	-11	+ 8	+22	+27	+28	+23	+16	+12	+ 8	+ 7	+ 5	+ 3	0	0	0	- 1	- 3	- 3	- 7	-13	-20	13.3
APR	II	-26	-31	-30	-20	- 2	+15	+24	+26	+25	+18	+11	+ 7	+ 4	+ 2	- 1	- 2	- 1	0	0	+ 1	- 1	- 2	- 6	-14	11.2
MAY	III	-16	-24	-26	-19	- 7	+ 6	+19	+26	+22	+13	+10	+ 6	+ 2	- 1	- 4	- 4	- 2	- 1	- 1	0	0	+ 2	+ 1	- 2	8.9
JUN	III	- 8	-15	-15	- 9	0	+10	+18	+19	+13	+ 6	+ 2	0	- 2	- 3	- 4	- 3	- 2	- 1	0	0	0	0	- 1	- 2	5.6
JUL	III	- 6	-16	-22	-23	-13	+ 1	+18	+23	+18	+ 7	+ 3	+ 1	0	- 1	- 2	- 2	0	+ 3	+ 3	+ 3	+ 2	+ 2	+ 3	+ 1	7.3
AUG	III	- 8	-18	-26	-27	-18	- 3	+11	+20	+20	+10	+ 5	+ 4	+ 2	0	- 1	- 1	+ 1	+ 2	+ 4	+ 4	+ 3	+ 4	+ 5	+ 4	8.3
SEP	II	-32	-41	-42	-30	- 9	+13	+26	+32	+28	+18	+13	+11	+ 7	+ 5	+ 2	0	- 1	+ 1	+ 2	+ 2	+ 4	+ 3	- 2	- 9	13.8
OCT	II	-45	-46	-39	-22	+ 4	+25	+37	+37	+28	+19	+15	+12	+10	+ 7	+ 5	+ 4	+ 2	+ 2	+ 1	0	- 2	- 7	-16	-30	17.3
NOV	I	-39	-41	-30	-13	+ 9	+26	+34	+32	+24	+15	+ 8	+ 8	+ 7	+ 5	+ 4	+ 3	+ 2	+ 1	+ 2	+ 2	0	- 6	-18	-33	15.1
DEC	I	-42	-42	-31	-14	+ 6	+24	+32	+31	+24	+16	+10	+ 7	+ 9	+ 8	+ 6	+ 4	+ 4	+ 4	+ 3	+ 2	- 1	- 9	-20	-32	15.8
MEANS	I	-42.4	-45.2	-36.6	-19.2	+ 5.3	+26.8	+37.6	+36.4	+28.2	+19.0	+11.8	+ 9.6	+ 8.8	+ 6.5	+ 5.0	+ 3.0	+ 1.6	+ 0.4	+ 0.4	- 0.2	- 1.8	- 7.3	-17.2	-30.3	16.7
	II	-34.3	-38.8	-35.1	-20.7	+ 0.1	+18.8	+28.4	+30.8	+26.0	+17.9	+12.6	+ 9.6	+ 6.8	+ 4.8	+ 2.2	+ 0.9	+ 0.2	+ 0.7	+ 0.5	0.0	- 0.6	- 3.2	- 9.0	-18.3	13.3
	III	- 9.4	-18.5	-22.4	-19.4	- 9.3	+ 3.3	+ 16.4	+22.0	+18.1	+ 9.0	+ 5.0	+ 2.6	+ 0.8	- 1.2	- 2.6	- 2.5	- 1.0	+ 0.6	+ 1.5	+ 1.7	+ 1.2	+ 2.0	+ 2.0	+ 0.2	7.2
	YEAR	-28.7	-34.2	-31.4	-19.8	- 1.3	+16.3	+27.5	+29.7	+24.1	+15.3	+ 9.8	+ 7.3	+ 5.5	+ 3.4	+ 1.5	+ 0.5	+ 0.2	+ 0.6	+ 0.8	+ 0.5	- 0.4	- 2.8	- 8.1	-16.1	11.9

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-54	-49	-21	+10	+26	+32	+34	+29	+19	+16	+12	+12	+ 9	+ 1	+ 1	0	- 2	- 5	- 3	- 4	- 6	- 9	-17	-31	16.7
FEB	I	-36	-37	-31	- 7	+23	+45	+54	+46	+36	+23	+17	+16	+ 5	- 8	- 4	-10	-20	-24	-16	-17	-14	- 7	-13	-21	22.1
MAR	II	-22	-25	-18	- 6	+12	+22	+32	+28	+24	+11	+ 5	- 4	- 7	-10	- 7	-12	- 6	- 8	- 9	- 2	- 3	+ 2	+ 3	- 5	11.6
APR	II	-14	-25	-27	-16	+ 4	+17	+24	+30	+25	+20	+ 5	- 6	-18	-22	-20	-20	-14	+ 1	+15	+ 6	+19	+ 6	+ 1	+10	15.1
MAY	III	- 5	-14	-13	-13	- 5	+ 8	+24	+28	+33	+21	+21	+10	- 2	-17	-18	-22	-13	-16	- 8	- 6	+ 2	+ 3	+ 1	+ 2	12.7
JUN	III	+ 2	- 4	- 6	- 6	+ 1	+12	+20	+26	+22	+15	+10	0	-12	-16	-16	-24	-15	-12	- 6	- 2	+ 1	+ 2	+ 3	+ 6	9.9
JUL	III	+ 1	- 9	-17	-14	- 2	+10	+24	+33	+29	+24	+21	+21	- 6	-10	-26	-28	-17	-23	- 8	-12	- 4	+ 6	+ 3	+ 1	14.6
AUG	III	+ 9	- 2	-22	-14	-14	+ 4	+24	+38	+33	+26	+14	+ 9	- 4	- 7	-36	-27	-16	-11	-13	- 7	- 6	+ 3	+ 6	+11	14.8
SEP	II	-26	-34	-31	-11	+ 9	+26	+39	+38	+41	+26	+16	+14	+ 3	-13	-12	-20	-21	-19	-11	- 1	+ 4	+ 8	- 8	-17	18.7
OCT	II	-41	-43	-31	- 6	+18	+41	+45	+44	+33	+21	+13	+ 8	- 8	- 7	- 6	- 5	- 5	- 2	-12	- 9	+ 1	-12	-15	-24	18.9
NOV	I	-43	-39	-26	- 2	+22	+38	+46	+43	+34	+23	+ 7	+ 1	+ 5	- 1	- 7	- 8	- 8	- 7	- 6	- 2	- 1	-11	-23	-34	18.2
DEC	I	-43	-40	-24	+ 1	+15	+32	+44	+45	+36	+28	+20	+18	+11	+ 4	- 6	- 6	-11	-10	- 7	- 8	- 6	-18	-27	-46	21.1
MEANS	I	-44.2	-41.3	-25.5	+ 0.4	+21.3	+36.6	+44.5	+41.1	+31.3	+22.5	+13.9	+11.4	+ 7.4	- 0.9	- 4.0	- 6.0	-10.3	-11.6	- 7.9	- 7.7	- 6.9	-11.2	-20.2	-32.7	19.2
	II	-25.5	-31.6	-27.0	- 9.9	+10.9	+26.6	+35.2	+35.2	+30.8	+19.4	+ 9.6	+ 3.2	- 7.4	-13.0	-10.1	-14.2	-11.7	- 7.1	- 4.4	- 1.4	+ 5.4	+ 0.9	- 5.1	- 9.0	14.8
	III	+ 1.7	- 7.2	-14.7	-11.6	- 4.8	+ 8.4	+23.2	+31.2	+29.3	+21.6	+16.4	+10.0	- 5.7	-12.4	-23.8	-25.2	-15.2	-15.7	- 8.8	- 6.6	- 1.7	+ 3.4	+ 3.2	+ 5.1	12.8
	YEAR	-22.6	-26.7	-22.4	- 7.0	+ 9.1	+23.9	+34.3	+35.8	+30.4	+21.2	+13.3	+ 8.2	- 1.9	- 8.8	-12.6	-15.1	-12.4	-11.5	- 7.0	- 5.2	- 1.1	- 2.3	- 7.4	-12.2	14.7

TABLE 380

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 8	- 7	- 5	- 4	- 6	-10	-18	-24	-24	- 8	+17	+36	+42	+37	+26	+14	+ 5	- 3	- 9	-10	-10	-11	-11	-10	14.7
FEB	I	-12	-10	- 5	- 2	- 2	- 3	-11	-22	-25	-19	+ 3	+30	+48	+50	+40	+21	+ 5	- 6	-10	-11	-14	-15	-15	-14	16.3
MAR	II	- 9	- 7	- 2	+ 1	0	0	- 5	-12	-18	-12	+ 6	+27	+37	+38	+30	+16	+ 2	-10	-13	-14	-14	-15	-12	-12	13.0
APR	II	- 8	- 1	+ 4	+ 6	+ 3	+ 1	- 1	- 4	-11	- 8	+ 1	+13	+27	+30	+24	+14	+ 1	- 6	-11	-14	-16	-16	-16	-11	10.4
MAY	III	- 4	- 2	+ 2	+ 2	+ 4	+ 6	+ 6	+ 5	- 2	- 5	- 2	+ 4	+12	+16	+17	+12	+ 4	- 6	- 8	-11	-13	-15	-12	-10	7.4
JUN	III	- 3	0	+ 2	+ 2	+ 4	+ 3	+ 3	+ 4	- 2	- 4	- 3	+ 4	+10	+15	+17	+12	+ 1	- 6	- 8	-10	-11	-11	-10	- 8	6.4
JUL	III	- 4	- 2	+ 2	+ 2	+ 3	+ 4	+ 5	+ 4	- 5	-10	-10	0	+12	+22	+26	+19	+ 4	- 4	- 6	- 9	-15	-15	-14	-10	8.7
AUG	III	- 7	- 3	- 1	+ 1	+ 2	+ 4	+ 4	+ 2	- 6	-10	-10	- 2	+11	+22	+29	+24	+10	- 2	- 6	- 8	-12	-14	-15	-12	9.1
SEP	II	- 8	- 5	- 2	+ 1	+ 2	+ 1	- 4	-12	-19	-19	- 8	+12	+30	+35	+35	+24	+10	0	- 7	- 9	-12	-16	-14	-13	12.4
OCT	II	-10	- 5	- 3	0	+ 1	- 6	-13	-17	-20	-12	+ 6	+28	+44	+47	+38	+22	+ 3	- 9	-15	-15	-18	-18	-17	-11	15.8
NOV	I	- 6	- 3	- 2	0	- 3	- 8	-15	-20	-18	- 7	+10	+28	+37	+38	+29	+14	0	- 9	-12	-12	-11	-12	-10	- 9	13.0
DEC	I	- 6	- 5	- 2	- 2	- 4	-10	-15	-20	-16	- 3	+15	+30	+38	+36	+26	+12	- 1	- 9	-12	-10	-10	-12	-12	- 9	13.0
MEANS	I	- 8.1	- 6.1	- 3.3	- 2.2	- 3.6	- 7.8	-14.6	-21.4	-20.6	- 9.3	+11.3	+30.7	+40.9	+39.9	+30.2	+15.4	+ 2.1	- 6.8	-10.7	-10.6	-11.3	-12.4	-11.8	-10.6	14.2
	II	- 8.6	- 4.5	- 0.8	+ 2.0	+ 1.4	- 0.8	- 5.8	-11.0	-17.2	-12.9	+ 1.5	+20.2	+34.4	+37.6	+31.8	+19.0	+ 3.7	- 6.6	-11.3	-13.1	-15.3	-16.4	-14.6	-11.8	12.6
	III	- 4.4	- 1.8	+ 1.0	+ 2.0	+ 3.2	+ 4.1	+ 4.4	+ 3.6	- 3.8	- 7.4	- 5.9	+ 1.6	+11.3	+19.0	+22.4	+16.7	+ 4.7	- 4.5	- 7.0	- 9.6	-13.0	-13.8	-12.7	- 9.8	7.8
	YEAR	- 7.1	- 4.2	- 1.0	+ 0.6	+ 0.3	- 1.5	- 5.3	- 9.6	-13.9	- 9.9	+ 2.3	+17.5	+28.9	+32.1	+28.1	+17.0	+ 3.5	- 6.0	- 9.7	-11.1	-13.2	-14.2	-13.0	-10.7	10.9

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 9	- 7	- 6	- 6	- 6	- 8	-15	-20	-22	-13	+ 4	+21	+34	+38	+32	+20	+10	+ 1	- 6	- 7	- 8	- 9	- 8	- 9	13.3
FEB	I	-16	-13	- 6	- 4	- 4	- 9	-16	-27	-34	-29	- 5	+27	+51	+56	+47	+29	+10	- 2	- 7	- 7	- 8	-10	-12	-11	18.3
MAR	II	-10	- 8	- 4	0	- 1	- 1	- 7	-15	-23	-16	+ 3	+23	+37	+39	+30	+18	+ 4	- 5	- 9	-10	-11	-12	-11	-10	12.8
APR	II	- 5	- 5	- 4	- 2	- 3	- 3	- 3	- 8	-14	-11	- 4	+ 8	+24	+30	+27	+18	+ 8	- 1	- 6	- 8	- 8	- 9	-13	- 8	9.5
MAY	III	- 5	- 3	- 1	0	- 2	- 1	- 1	- 3	- 8	- 8	- 2	+ 6	+14	+21	+22	+15	+ 5	- 3	- 5	- 8	-10	-11	- 9	- 5	6.9
JUN	III	- 4	- 2	+ 1	- 2	+ 2	+ 1	+ 1	+ 1	- 4	- 6	- 4	+ 3	+11	+15	+14	+ 9	- 1	- 4	- 5	- 6	- 6	- 6	- 5	- 4	4.9
JUL	III	- 4	- 3	- 1	- 1	- 1	- 1	+ 1	+ 1	- 9	-14	-13	- 4	+ 9	+21	+25	+18	+ 6	- 3	- 3	- 4	- 6	- 6	- 5	- 4	6.8
AUG	III	- 7	- 4	- 2	- 1	0	0	+ 1	- 1	-10	-15	-13	- 4	+10	+21	+26	+23	+11	0	- 3	- 4	- 6	- 8	- 8	- 7	7.7
SEP	II	- 8	- 5	- 3	- 2	- 3	- 2	- 6	-15	-25	-23	-11	+11	+31	+39	+36	+26	+10	- 1	- 5	- 7	- 9	-10	-10	- 9	12.7
OCT	II	-11	- 8	- 4	- 1	- 5	-11	-19	-27	-28	-17	+ 4	+28	+45	+49	+42	+26	+ 7	- 5	- 8	- 9	-12	-12	-12	-10	16.7
NOV	I	- 7	- 5	- 4	- 2	- 4	-10	-16	-21	-20	- 9	+ 7	+26	+37	+39	+31	+16	+ 2	- 8	- 9	- 8	- 8	-10	- 8	- 7	13.2
DEC	I	- 5	- 4	- 2	- 1	- 4	- 9	-13	-20	-20	-10	+ 9	+23	+33	+33	+25	+12	+ 1	- 5	- 8	- 7	- 7	- 8	- 8	- 6	11.4
MEANS	I	- 9.2	- 7.3	- 4.5	- 3.4	- 4.5	- 9.0	-15.1	-22.1	-24.0	-15.3	+ 3.7	+24.1	+38.6	+41.5	+33.8	+19.4	+ 5.6	- 3.7	- 7.4	- 7.3	- 7.8	- 9.1	- 9.0	- 8.1	13.9
	II	- 8.5	- 6.4	- 4.0	- 1.3	- 3.0	- 4.4	- 8.5	-16.2	-22.4	-16.9	- 1.8	+17.4	+34.1	+39.2	+33.9	+21.9	+ 7.3	- 3.1	- 6.9	- 8.6	-10.0	-10.7	-11.3	- 9.2	12.8
	III	- 5.2	- 2.8	- 0.5	- 0.7	- 0.1	0	+ 0.8	- 0.6	- 7.7	-11.0	- 8.0	+ 0.3	+11.0	+19.4	+22.0	+16.2	+ 5.1	- 2.2	- 4.1	- 5.6	- 7.3	- 7.6	- 6.8	- 4.9	6.2
	YEAR	- 7.6	- 5.5	- 3.0	- 1.8	- 2.6	- 4.4	- 7.6	-13.0	-18.0	-14.4	- 2.0	+14.0	+27.9	+33.4	+29.9	+19.2	+ 6.0	- 3.0	- 6.2	- 7.1	- 8.4	- 9.1	- 9.1	- 7.4	10.9

TABLE 380--CONCLUDED

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	1	-22	-16	- 3	+17	+39	+47	+38	+21	+ 9	- 1	- 6	- 7	- 8	-10	-10	- 9	- 9	- 7	- 7	- 6	- 6	- 8	-15	-21	14.2
FEB	1	-34	-29	- 9	+20	+48	+56	+48	+34	+12	- 1	- 7	- 7	- 8	-12	-13	-12	-11	-10	- 7	- 6	- 7	- 8	-12	-22	18.2
MAR	II	-24	-16	+ 4	+24	+37	+37	+28	+17	+ 3	- 6	- 9	-10	-10	-10	- 9	- 9	- 6	- 4	- 3	- 3	- 3	- 5	- 9	-14	12.4
APR	II	-18	-12	0	+14	+31	+39	+30	+19	+ 9	0	- 7	-10	-10	-12	-12	-10	- 8	- 5	- 4	- 4	- 5	- 6	- 8	-12	11.8
MAY	III	- 9	- 9	- 4	+ 3	+12	+19	+21	+14	+ 3	- 3	- 4	- 6	- 9	- 9	- 8	- 4	- 2	- 2	- 1	- 1	- 2	0	+ 1	0	6.2
JUN	III	- 4	- 7	- 4	+ 4	+11	+14	+12	+ 7	- 1	- 3	- 3	- 3	- 6	- 6	- 5	- 5	- 3	- 1	0	- 6	+ 1	+ 2	+ 3	+ 3	4.7
JUL	III	- 8	-14	-14	- 6	+ 6	+19	+24	+17	+ 6	- 2	- 4	- 4	- 4	- 4	- 5	- 4	- 1	0	- 1	- 1	0	- 1	0	0	6.2
AUG	III	-10	-17	-17	-10	+ 4	+18	+27	+25	+12	+ 1	- 2	- 4	- 6	- 7	- 8	- 6	- 4	- 2	0	0	+ 2	+ 2	+ 3	+ 1	7.8
SEP	II	-24	-23	-11	+11	+30	+38	+36	+26	+10	- 1	- 5	- 7	- 9	- 9	-10	-10	- 8	- 5	- 3	- 1	- 1	- 1	- 7	-15	12.5
OCT	II	-27	-16	+ 1	+23	+42	+50	+44	+27	+ 7	- 5	- 9	-10	-12	-12	-11	- 9	- 7	- 6	- 5	- 4	- 6	-11	-19	-26	16.3
NOV	I	-18	- 4	+13	+29	+37	+36	+27	+12	- 2	-10	-10	- 7	- 7	- 8	- 6	- 6	- 5	- 4	- 3	- 4	- 6	-12	-20	-22	12.9
DEC	I	-20	- 9	+ 7	+20	+30	+31	+22	+11	+ 1	- 5	- 7	- 6	- 4	- 5	- 5	- 5	- 5	- 4	- 3	- 2	- 3	- 8	-13	-19	10.2
MEANS	I	-23.8	-14.6	+ 2.0	+21.6	+38.4	+42.4	+34.0	+19.5	+ 5.1	- 4.2	- 7.6	- 6.9	- 7.0	- 8.6	- 8.5	- 8.0	- 7.4	- 6.4	- 5.0	- 4.3	- 5.3	- 9.1	-15.0	-21.1	13.6
	II	-23.3	-16.5	- 1.4	+17.6	+35.3	+41.1	+34.6	+22.1	+ 7.3	- 3.1	- 7.4	- 9.4	-10.3	-10.9	-10.5	- 9.2	- 7.1	- 4.8	- 3.7	- 3.2	- 3.7	- 5.7	-10.7	-16.9	13.2
	III	- 7.7	-11.8	-10.0	- 2.2	+ 8.3	+17.5	+21.2	+15.8	+ 4.9	- 1.8	- 3.5	- 4.4	- 6.2	- 6.3	- 6.5	- 4.7	- 2.6	- 1.5	- 0.4	- 1.9	+ 0.1	+ 0.8	+ 1.7	+ 1.0	6.0
	YEAR	-18.3	-14.3	- 3.1	+12.3	+27.3	+33.7	+29.9	+19.1	+ 5.8	- 3.0	- 6.2	- 6.9	- 7.8	- 8.6	- 8.5	- 7.3	- 5.7	- 4.2	- 3.0	- 3.1	- 3.0	- 4.7	- 8.0	-12.4	10.7

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	1	-24	- 2	+35	+51	+44	+34	+23	+ 8	- 3	- 9	-11	-11	-13	-16	-14	-12	- 9	- 8	- 3	- 3	- 7	-10	-17	-26	16.4
FEB	I	- 8	- 4	+14	+40	+54	+51	+38	+16	+ 1	- 9	-14	-16	-29	-32	-24	-24	-24	-21	- 9	+ 1	+ 1	+ 6	0	- 9	18.5
MAR	II	- 3	0	+13	+26	+33	+31	+27	+ 9	- 5	-21	-21	-26	-23	-22	-10	-17	- 9	- 6	- 5	+ 5	+ 6	+ 8	+ 8	+ 1	14.0
APR	II	- 4	- 5	+ 9	+22	+34	+31	+23	+ 9	-11	-16	-27	-34	-34	-33	-26	-15	- 9	+ 8	+18	+23	+20	+ 9	+ 1	+ 6	17.7
MAY	III	+ 6	0	+ 1	+ 5	+14	+19	+23	+11	+10	- 2	- 6	-18	-22	-33	-26	-20	- 6	- 5	+ 1	+ 2	+11	+13	+11	+12	11.4
JUN	III	+ 6	+ 5	+ 5	+11	+13	+20	+21	+12	- 4	-16	-15	-20	-20	-19	-16	-15	- 5	0	+ 5	+ 6	+ 7	+ 6	+ 6	+ 7	10.9
JUL	III	+ 8	+ 2	0	+ 9	+20	+26	+27	+23	+ 9	- 2	- 7	-15	-38	-40	-42	-27	- 8	-11	+ 4	+ 7	+12	+18	+14	+12	15.8
AUG	III	+18	+15	+ 6	+14	+16	+22	+29	+23	+ 4	- 9	-19	-21	-33	-35	-38	-27	-12	- 3	- 3	+ 4	+ 7	+16	+13	+15	16.7
SEP	II	- 6	- 6	+ 2	+23	+33	+34	+32	+18	+11	- 5	-15	-20	-25	-32	-22	-19	-17	-13	- 2	+ 9	+12	+14	- 2	- 5	15.7
OCT	II	- 8	- 3	+13	+33	+47	+51	+36	+17	- 6	-23	-27	-25	-35	-27	-20	-10	- 8	+ 2	0	- 2	+ 7	- 6	- 9	+ 2	17.4
NOV	1	-15	- 1	+16	+35	+44	+43	+32	+17	0	-11	-23	-28	-22	-22	-16	-10	- 5	- 2	0	+ 1	+ 1	- 4	-13	-16	15.7
DEC	1	- 1	+10	+24	+31	+37	+37	+27	+12	- 5	-10	-14	-13	-14	-19	-21	-13	-10	-10	- 6	- 6	- 2	-10	-10	-14	14.8
MEANS	1	-11.8	+ 0.6	+22.2	+39.3	+44.6	+41.4	+29.8	+13.3	- 2.0	- 9.8	-15.4	-17.2	-19.2	-22.2	-18.4	-14.8	-12.1	-10.0	- 4.4	- 1.8	- 1.4	- 4.6	- 9.8	-16.4	16.0
	II	- 5.2	- 3.4	+ 9.2	+26.0	+36.5	+36.8	+29.5	+13.4	- 2.5	-16.2	-22.4	-26.1	-29.4	-28.4	-19.4	-15.0	-10.8	- 2.2	+ 2.9	+ 8.8	+11.2	+ 6.1	- 0.7	+ 1.0	15.1
	III	+ 9.4	+ 5.6	+ 3.0	+ 9.7	+15.7	+21.8	+24.8	+17.0	+ 4.6	- 7.4	-11.8	-18.4	-28.2	-31.6	-30.4	-22.4	- 7.7	- 4.7	+ 1.8	+ 4.9	+ 9.1	+13.2	+11.0	+11.4	13.6
	YEAR	- 2.5	+ 1.0	+11.5	+25.0	+32.3	+33.4	+28.0	+14.6	0.0	-11.1	-16.6	-20.6	-25.6	-27.4	-22.8	-17.4	-10.2	- 5.6	+ 0.1	+ 4.0	+ 6.3	+ 4.9	+ 0.2	- 1.3	13.4

TABLE 381

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST. I DOWN H. Z TOWARD NADIR. X NORTHWARD. Y EASTWARD. AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 9	+ 8	+ 6	+ 6	+ 7	+12	+20	+24	+20	+ 3	-22	-39	-44	-38	-26	-13	- 2	+ 6	+10	+10	+11	+11	+11	+10	15.3
FEB	I	+13	+11	+ 8	+ 6	+ 5	+ 6	+13	+22	+22	+13	- 9	-34	-48	-49	-38	-20	- 3	+ 7	+11	+11	+14	+15	+14	+14	16.9
MAR	II	+10	+ 9	+ 5	+ 4	+ 4	+ 4	+ 8	+15	+18	+10	- 9	-28	-38	-37	-30	-16	- 4	+ 6	+ 8	+10	+12	+13	+12	+13	13.5
APR	II	+ 8	+ 4	+ 2	0	+ 2	+ 2	+ 4	+ 7	+13	+10	- 1	-14	-28	-32	-28	-19	- 7	+ 2	+ 8	+12	+14	+ 14	+14	+12	10.7
MAY	III	+ 5	+ 3	+ 1	+ 1	+ 1	+ 1	+ 1	+ 3	+10	+10	+ 3	- 6	-16	-23	-26	-20	-11	+ 1	+ 5	+ 9	+11	+13	+11	+10	8.4
JUN	III	+ 3	+ 2	0	0	0	+ 1	+ 1	+ 2	+ 8	+10	+ 5	- 3	-13	-20	-22	-17	- 5	+ 2	+ 5	+ 8	+ 9	+ 8	+ 8	+ 6	6.6
JUL	III	+ 3	+ 3	0	- 1	- 1	0	0	+ 3	+13	+17	+14	+ 1	-14	-27	-32	-25	- 9	+ 2	+ 5	+ 7	+11	+10	+10	+ 8	9.0
AUG	III	+ 5	+ 2	+ 2	+ 1	+ 1	- 1	+ 1	+ 5	+14	+18	+14	+ 2	-13	-27	-34	-29	-13	0	+ 5	+ 7	+10	+10	+12	+ 9	9.7
SEP	II	+ 7	+ 5	+ 3	+ 1	+ 2	+ 3	+ 9	+17	+25	+23	+ 9	-12	-32	-38	-38	-28	-12	- 1	+ 5	+ 6	+10	+12	+11	+11	13.4
OCT	II	+11	+ 8	+ 7	+ 5	+ 3	+ 8	+15	+20	+20	+10	-11	-33	-46	-48	-37	-22	- 4	+ 7	+12	+13	+15	+16	+15	+13	16.6
NOV	I	+ 6	+ 4	+ 3	+ 1	+ 4	+10	+17	+20	+17	+ 6	-10	-27	-35	-35	-28	-14	0	+ 7	+10	+ 9	+ 8	+10	+ 9	+ 9	12.4
DEC	I	+ 7	+ 5	+ 3	+ 3	+ 5	+11	+16	+20	+15	+ 3	-15	-29	-34	-33	-25	-13	- 1	+ 6	+ 9	+ 7	+ 8	+10	+11	+10	12.5
MEANS	I	+ 8.8	+ 7.0	+ 5.0	+ 3.9	+ 5.0	+ 9.4	+16.3	+21.6	+18.6	+ 6.1	-14.2	-31.9	-40.3	-38.7	-29.2	-14.9	- 1.5	+ 6.6	+ 9.8	+ 9.4	+10.3	+11.5	+11.4	+10.5	14.2
	II	+ 9.2	+ 6.4	+ 4.3	+ 2.4	+ 2.5	+ 4.3	+ 9.2	+14.8	+19.0	+13.3	- 2.8	-22.0	-35.8	-38.8	-33.4	-21.2	- 6.5	+ 3.6	+ 8.3	+10.4	+12.6	+14.1	+13.2	+12.0	13.3
	III	+ 4.1	+ 2.6	+ 0.7	+ 0.4	+ 0.2	+ 0.3	+ 0.9	+ 3.3	+11.3	+13.7	+ 9.3	- 1.4	-13.9	-24.0	-28.4	-22.8	- 9.5	+ 1.5	+ 5.0	+ 7.6	+10.3	+10.4	+10.1	+ 8.2	8.3
	YEAR	+ 7.4	+ 5.3	+ 3.3	+ 2.2	+ 2.6	+ 4.6	+ 8.8	+13.2	+16.3	+11.0	- 2.6	-18.4	-30.0	-33.8	-30.4	-19.6	- 5.8	+ 3.9	+ 7.7	+ 9.1	+11.1	+12.0	+11.6	+10.3	11.7

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 8	+ 7	+ 6	+ 6	+ 6	+ 9	+16	+21	+21	+11	- 7	-25	-37	-39	-31	-18	- 6	+ 2	+ 7	+ 8	+ 9	+ 9	+ 9	+ 9	13.7
FEB	I	+13	+10	+ 6	+ 5	+ 5	+ 8	+16	+26	+29	+22	- 3	-30	-50	-53	-44	-27	- 7	+ 5	+ 9	+ 9	+11	+13	+14	+14	17.9
MAR	II	+ 8	+ 7	+ 4	+ 3	+ 3	+ 4	+10	+17	+22	+13	- 6	-24	-37	-38	-30	-18	- 5	+ 4	+ 7	+ 9	+10	+12	+12	+11	13.0
APR	II	+ 5	+ 6	+ 5	+ 4	+ 4	+ 4	+ 4	+ 9	+15	+12	+ 3	-10	-24	-31	-31	-23	-11	0	+ 6	+ 9	+ 9	+10	+15	+10	10.9
MAY	III	+ 4	+ 3	+ 2	+ 1	+ 3	+ 3	+ 4	+ 8	+13	+13	+ 4	- 8	-17	-24	-28	-21	- 8	+ 1	+ 5	+ 7	+ 9	+10	+ 9	+ 6	8.8
JUN	III	+ 2	0	- 2	+ 1	- 1	0	+ 1	+ 2	+ 8	+ 9	+ 5	- 4	-13	-18	-19	-12	0	+ 5	+ 6	+ 7	+ 6	+ 6	+ 6	+ 5	5.8
JUL	III	+ 3	+ 3	+ 1	0	+ 1	+ 2	+ 1	+ 3	+14	+19	+16	+ 3	-13	-26	-31	-23	- 8	+ 2	+ 5	+ 5	+ 6	+ 5	+ 6	+ 4	8.4
AUG	III	+ 5	+ 2	+ 1	+ 1	+ 1	+ 1	+ 2	+ 6	+16	+19	+15	+ 4	-13	-25	-30	-26	-14	- 1	+ 3	+ 5	+ 7	+ 7	+ 8	+ 6	9.1
SEP	II	+ 6	+ 5	+ 4	+ 3	+ 4	+ 4	+ 9	+20	+28	+25	+11	-13	-35	-43	-40	-29	-11	+ 1	+ 5	+ 8	+10	+10	+10	+ 9	14.2
OCT	II	+ 8	+ 6	+ 4	+ 2	+ 6	+11	+18	+26	+26	+14	- 7	-30	-45	-47	-39	-23	- 5	+ 6	+10	+11	+12	+12	+12	+10	16.3
NOV	I	+ 7	+ 4	+ 3	+ 2	+ 4	+11	+17	+21	+18	+ 8	- 8	-25	-35	-37	-30	-15	- 1	+ 7	+ 9	+ 7	+ 8	+ 9	+ 8	+ 8	12.5
DEC	I	+ 6	+ 5	+ 3	+ 2	+ 4	+10	+16	+21	+20	+ 9	-10	-23	-33	-33	-25	-14	- 2	+ 4	+ 6	+ 6	+ 6	+ 7	+ 8	+ 7	11.6
MEANS	I	+ 8.6	+ 6.4	+ 4.6	+ 3.6	+ 4.8	+ 9.5	+16.2	+22.4	+22.0	+12.2	- 6.9	-25.9	-38.8	-40.5	-32.4	-18.2	- 4.2	+ 4.4	+ 7.8	+ 7.6	+ 8.5	+ 9.5	+ 9.7	+ 9.4	13.9
	II	+ 7.1	+ 5.6	+ 4.1	+ 2.8	+ 4.6	+ 5.8	+10.4	+18.0	+22.8	+16.1	+ 0.4	-19.1	-35.3	-40.0	-34.8	-23.0	- 8.0	+ 2.8	+ 7.0	+ 9.1	+10.4	+11.0	+12.2	+10.0	13.4
	III	+ 3.5	+ 2.2	+ 0.5	+ 1.0	+ 0.9	+ 1.4	+ 1.9	+ 5.0	+12.7	+15.1	+10.0	- 1.2	-13.9	-23.2	-26.7	-20.6	- 7.6	+ 1.7	+ 4.7	+ 6.0	+ 7.0	+ 7.0	+ 7.0	+ 5.5	7.8
	YEAR	+ 6.4	+ 4.8	+ 3.0	+ 2.5	+ 3.4	+ 5.6	+ 9.5	+15.1	+19.2	+14.5	+ 1.1	-15.4	-29.3	-34.6	-31.3	-20.6	- 6.6	+ 3.0	+ 6.5	+ 7.6	+ 8.6	+ 9.2	+ 9.6	+ 8.3	11.5

TABLE 381--CONCLUDED

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1939

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+22	+14	- 3	-23	-42	-46	-35	-18	- 5	+ 4	+ 8	+ 8	+ 9	+ 9	+ 9	+ 8	+ 8	+ 6	+ 6	+ 6	+ 6	+10	+17	+24	14.4
FEB	I	+30	+22	+ 2	-26	-51	-57	-48	-33	-11	+ 2	+ 8	+ 9	+11	+13	+14	+13	+12	+12	+10	+ 8	+ 8	+10	+15	+24	18.8
MAR	II	+22	+12	- 6	-25	-38	-38	-28	-17	- 4	+ 4	+ 6	+ 9	+ 8	+ 9	+ 9	+ 9	+ 6	+ 5	+ 5	+ 6	+ 6	+ 8	+13	+17	13.0
APR	II	+17	+10	- 1	-13	-30	-38	-34	-23	-12	- 1	+ 6	+10	+10	+12	+12	+10	+ 8	+ 6	+ 6	+ 5	+ 6	+ 8	+10	+15	12.6
MAY	III	+15	+14	+ 6	- 6	-17	-24	-27	-20	- 8	0	+ 4	+ 5	+ 7	+ 8	+ 7	+ 5	+ 3	+ 3	+ 4	+ 3	+ 4	+ 3	+ 4	+ 8	8.5
JUN	III	+ 7	+ 8	+ 4	- 5	-13	-17	-18	-13	- 1	+ 4	+ 4	+ 5	+ 5	+ 5	+ 5	+ 4	+ 2	+ 1	+ 1	+ 7	+ 1	+ 1	+ 2	+ 2	5.6
JUL	III	+12	+18	+15	+ 3	-13	-26	-31	-22	- 9	+ 1	+ 4	+ 4	+ 4	+ 3	+ 5	+ 4	+ 2	+ 2	+ 2	+ 3	+ 4	+ 4	+ 4	+ 6	8.5
AUG	III	+16	+21	+19	+ 8	- 8	-24	-33	-30	-16	- 2	+ 2	+ 4	+ 6	+ 6	+ 7	+ 5	+ 4	+ 2	+ 1	+ 1	+ 1	+ 2	+ 2	+ 5	9.4
SEP	II	+27	+23	+10	-14	-34	-42	-39	-28	-10	+ 1	+ 4	+ 7	+ 9	+ 9	+ 9	+ 9	+ 6	+ 4	+ 4	+ 4	+ 4	+ 5	+12	+21	13.9
OCT	II	+25	+12	- 6	-28	-46	-50	-41	-24	- 6	+ 5	+ 8	+10	+11	+10	+11	+ 9	+ 8	+ 7	+ 6	+ 6	+ 8	+14	+21	+28	16.8
NOV	I	+16	+ 3	-12	-27	-36	-35	-27	-13	+ 1	+ 7	+ 9	+ 6	+ 6	+ 7	+ 6	+ 5	+ 5	+ 4	+ 4	+ 4	+ 6	+13	+22	+24	12.4
DEC	I	+18	+ 8	- 8	-20	-29	-31	-24	-14	- 4	+ 1	+ 4	+ 4	+ 4	+ 4	+ 6	+ 6	+ 6	+ 5	+ 4	+ 4	+ 5	+11	+17	+23	10.8
MEANS	I	+21.6	+11.7	- 5.2	-24.1	-39.5	-42.1	-33.6	-19.2	- 4.8	+ 3.6	+ 7.4	+ 6.8	+ 7.2	+ 8.5	+ 8.5	+ 8.1	+ 7.5	+ 6.8	+ 5.9	+ 5.7	+ 6.5	+11.0	+17.8	+23.7	14.0
	II	+22.8	+14.6	- 0.8	-19.9	-36.9	-42.0	-35.7	-23.0	- 8.0	+ 2.1	+ 6.2	+ 8.7	+ 9.7	+10.0	+10.3	+ 9.2	+ 7.2	+ 5.8	+ 5.2	+ 5.4	+ 6.1	+ 8.6	+14.1	+20.3	13.9
	III	+12.4	+15.4	+11.0	00.0	-12.8	-22.9	-27.2	-21.4	- 8.4	+ 0.8	+ 3.7	+ 4.6	+ 5.8	+ 5.6	+ 6.0	+ 4.6	+ 2.7	+ 2.1	+ 1.9	+ 3.6	+ 2.3	+ 2.5	+ 2.8	+ 5.0	7.7
	YEAR	+19.0	+13.9	+ 1.6	-14.7	-29.7	-35.7	-32.2	-21.2	- 7.0	+ 2.2	+ 5.8	+ 6.7	+ 7.6	+ 8.0	+ 8.2	+ 7.3	+ 5.8	+ 4.9	+ 4.3	+ 4.9	+ 5.0	+ 7.4	+11.6	+16.3	11.7

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+19	- 4	-38	-49	-44	-33	-20	- 7	+ 5	+ 9	+10	+10	+12	+16	+13	+11	+10	+ 9	+ 8	+ 5	+ 8	+11	+17	+23	16.2
FEB	I	+12	0	-18	-42	-52	-50	-36	-13	+ 5	+16	+20	+19	+25	+30	+24	+21	+23	+19	+ 9	+ 3	- 2	- 7	- 4	0	18.7
MAR	II	+ 4	0	-14	-26	-31	-29	-24	-10	0	+14	+13	+17	+17	+18	+11	+17	+11	+13	+ 9	+ 3	- 2	- 5	- 7	+ 1	12.3
APR	II	+10	+10	+ 1	-16	-30	-30	-28	-18	- 5	+ 5	+17	+25	+27	+27	+21	+16	+ 9	- 1	- 4	-14	-10	- 5	- 2	- 5	14.0
MAY	III	+ 8	+ 6	+ 2	- 2	-14	-24	-30	-20	-14	+ 2	+ 3	+12	+17	+24	+20	+17	+ 8	+ 4	- 1	- 1	- 6	- 5	- 5	- 3	10.3
JUN	III	+11	+10	+ 6	- 3	-13	-21	-22	-17	- 6	+ 3	+ 4	+10	+12	+11	+ 7	+ 9	+ 4	+ 2	- 2	- 2	- 2	0	0	+ 1	7.4
JUL	III	+11	+19	+16	+ 4	-11	-24	-29	-25	-12	- 3	+ 3	+ 5	+22	+20	+23	+18	+ 3	+ 6	- 4	- 6	-10	-14	- 8	- 3	12.5
AUG	III	+ 4	+ 6	+ 5	-13	-18	-28	-35	-32	-10	+ 2	+13	+16	+23	+19	+31	+22	+ 8	+ 3	+ 3	- 1	- 1	-10	- 5	- 5	13.1
SEP	II	+26	+22	+ 7	-15	-29	-33	-36	-24	-14	+ 3	+ 6	+ 6	+14	+20	+16	+18	+13	+10	0	- 7	- 8	- 9	+ 5	+ 9	14.5
OCT	II	+16	+ 3	-22	-47	-55	-55	-36	-19	+ 1	+14	+19	+20	+29	+25	+21	+18	+16	+12	+15	+13	- 4	+ 3	+ 8	+ 1	19.7
NOV	I	+16	+ 1	-14	-33	-43	-41	-32	-17	- 2	+ 8	+18	+18	+13	+15	+14	+12	+10	+ 5	+ 3	+ 2	+ 2	+ 9	+17	+18	15.2
DEC	I	+ 4	- 7	-24	-31	-32	-33	-27	-13	+ 2	+ 7	+10	+ 8	+12	+14	+19	+15	+12	+10	+ 7	+ 7	+ 6	+12	+11	+12	13.9
MEANS	I	+13.0	- 2.4	-23.6	-38.7	-42.6	-39.1	-28.8	-12.6	+ 2.3	+10.0	+14.3	+13.7	+15.3	+18.6	+17.7	+14.6	+13.5	+10.9	+ 6.6	+ 4.2	+ 3.4	+ 6.4	+10.3	+13.2	15.7
	II	+14.1	+ 8.8	- 7.2	-25.8	-36.4	-36.7	-30.9	-17.8	- 4.2	+ 8.8	+14.0	+17.2	+21.8	+22.4	+17.4	+17.2	+12.4	+ 8.3	+ 5.0	- 1.1	- 5.9	- 4.0	+ 1.0	+ 1.4	14.2
	III	+ 8.6	+10.3	+ 7.4	- 3.5	-13.7	-24.4	-29.2	-23.2	-10.5	+ 1.1	+ 5.6	+10.9	+18.4	+18.5	+20.2	+16.5	+ 5.8	+ 3.8	- 1.2	- 2.8	- 4.8	- 7.3	- 4.4	- 2.5	10.6
	YEAR	+11.9	+ 5.6	- 7.8	-22.7	-30.9	-33.4	-29.6	-17.9	- 4.1	+ 6.6	+11.3	+13.9	+16.5	+19.8	+18.5	+16.1	+10.5	+ 7.6	+ 3.5	+ 0.1	- 2.5	- 1.6	+ 2.3	+ 4.0	12.5

TABLE 382

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	- 0.9	- 0.9	- 0.8	- 0.7	- 0.9	- 1.8	- 3.1	- 4.0	- 4.4	- 4.1	- 2.4	0.0	+ 1.9	+ 3.2	+ 3.9	+ 3.9	+ 3.4	+ 2.9	+ 2.4	+ 1.8	+ 1.2	+ 0.3	- 0.1	- 0.9	2.09
FEB	I	- 0.7	- 0.4	- 0.3	- 0.2	+ 0.1	- 0.6	- 1.4	- 2.9	- 4.2	- 4.9	- 4.4	- 2.4	+ 0.2	+ 2.5	+ 4.0	+ 4.4	+ 3.9	+ 2.9	+ 1.8	+ 1.4	+ 1.1	+ 0.6	- 0.1	- 0.4	1.91
MAR[a]	II	- 0.4	- 0.7	- 0.4	- 0.4	- 0.4	- 0.4	- 0.7	- 0.9	- 2.6	- 3.7	- 3.1	- 1.9	- 0.2	+ 1.7	+ 2.9	+ 3.5	+ 3.2	+ 2.4	+ 0.9	+ 0.6	+ 0.8	+ 0.2	- 0.3	- 0.4	1.36
APR[b]	II	- 0.2	- 0.4	- 0.5	+ 0.1	- 0.2	- 0.1	- 0.5	- 1.3	- 2.8	- 3.2	- 2.8	- 1.1	+ 0.9	+ 2.4	+ 3.0	+ 3.0	+ 2.4	+ 1.4	+ 1.0	+ 0.5	+ 0.1	- 0.4	- 0.8	- 0.7	1.24
MAY	III	- 0.8	- 0.3	- 0.2	+ 0.3	+ 0.3	+ 0.3	+ 0.2	+ 0.3	- 0.6	- 1.7	- 2.0	- 1.6	- 0.3	+ 0.8	+ 1.9	+ 2.6	+ 2.4	+ 1.2	+ 0.5	0.0	- 0.5	- 0.8	- 1.0	- 0.8	0.90
JUN	III	- 0.9	- 0.7	- 0.1	- 0.2	+ 0.2	+ 0.4	+ 0.6	+ 1.0	+ 0.4	- 0.6	- 1.2	- 1.2	- 0.4	+ 0.5	+ 1.3	+ 2.1	+ 1.9	+ 0.7	+ 0.1	0.0	- 0.6	- 1.0	- 1.2	- 1.3	0.77
JUL	III	- 0.8	- 0.4	- 0.1	+ 0.4	+ 0.4	+ 0.3	+ 0.5	+ 0.8	+ 0.1	- 1.0	- 1.6	- 1.4	- 0.7	+ 0.2	+ 1.1	+ 2.0	+ 1.9	+ 0.9	+ 0.5	+ 0.2	- 0.7	- 0.9	- 0.9	- 1.0	0.77
AUG	III	- 0.7	- 0.7	- 0.4	+ 0.2	+ 0.3	+ 0.5	+ 0.9	+ 0.8	- 0.4	- 1.9	- 2.8	- 3.0	- 2.2	- 0.8	+ 1.1	+ 2.6	+ 3.0	+ 2.0	+ 1.4	+ 0.9	+ 0.5	0.0	- 0.5	- 0.6	1.18
SEP	II	- 0.6	- 0.3	- 0.5	- 0.1	+ 0.3	+ 0.3	0.0	- 1.0	- 2.4	- 3.4	- 3.7	- 2.9	- 0.7	+ 1.8	+ 3.2	+ 3.7	+ 3.1	+ 2.1	+ 1.1	+ 0.9	+ 0.6	- 0.2	- 0.5	- 0.7	1.42
OCT	II	- 0.8	- 0.9	- 0.7	- 0.6	- 0.2	- 0.4	- 1.3	- 2.8	- 4.2	- 4.9	- 4.1	- 1.8	+ 1.1	+ 3.3	+ 4.6	+ 4.8	+ 3.7	+ 2.5	+ 1.6	+ 0.9	+ 0.6	+ 0.1	- 0.2	- 0.4	1.94
NOV	I	- 0.7	- 0.5	0.0	+ 0.1	- 0.2	- 0.8	- 2.5	- 4.4	- 5.4	- 5.7	- 4.1	- 1.3	+ 1.6	+ 4.2	+ 5.6	+ 5.4	+ 5.2	+ 2.8	+ 1.6	+ 0.9	+ 0.6	- 0.1	- 0.6	- 0.7	2.26
DEC	I	- 0.3	- 0.5	- 0.3	- 0.2	- 0.3	- 1.2	- 3.0	- 4.5	- 5.2	- 4.9	- 3.2	- 0.4	+ 1.8	+ 3.3	+ 4.3	+ 4.2	+ 3.4	+ 2.8	+ 1.8	+ 1.1	+ 0.7	+ 0.5	0.0	- 0.1	2.00
MEANS	I	- 0.7	- 0.6	- 0.4	- 0.2	- 0.3	- 1.1	- 2.5	- 3.9	- 4.8	- 4.9	- 3.5	- 1.0	+ 1.4	+ 3.3	+ 4.5	+ 4.5	+ 3.8	+ 2.9	+ 1.9	+ 1.3	+ 0.9	+ 0.3	- 0.2	- 0.5	2.06
	II	- 0.5	- 0.6	- 0.5	- 0.3	- 0.1	- 0.1	- 0.6	- 1.5	- 3.0	- 3.8	- 3.4	- 1.9	+ 0.3	+ 2.3	+ 3.4	+ 3.7	+ 3.1	+ 2.1	+ 1.2	+ 0.7	+ 0.6	0.0	- 0.4	- 0.6	1.45
	III	- 0.8	- 0.5	- 0.2	+ 0.2	+ 0.3	+ 0.4	+ 0.6	+ 0.7	- 0.1	- 1.3	- 1.9	- 1.8	- 0.9	+ 0.2	+ 1.3	+ 2.3	+ 2.3	+ 1.2	+ 0.6	+ 0.3	- 0.3	- 0.7	- 0.9	- 0.9	0.86
	YEAR	- 0.7	- 0.6	- 0.4	- 0.1	- 0.1	- 0.3	- 0.8	- 1.6	- 2.6	- 3.3	- 3.0	- 1.6	+ 0.2	+ 1.9	+ 3.1	+ 3.5	+ 3.0	+ 2.1	+ 1.2	+ 0.8	+ 0.4	- 0.1	- 0.5	- 0.7	1.36

[a] Thirty days only--March 1-24, 26-31 [b] Twenty-nine days only--April 1-4, 6-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	- 0.2	- 0.2	+ 0.1	- 0.2	- 0.5	- 1.3	- 3.0	- 4.5	- 5.2	- 4.6	- 2.7	- 0.2	+ 1.9	+ 3.5	+ 4.4	+ 4.0	+ 3.0	+ 2.0	+ 1.2	+ 1.2	+ 1.0	+ 0.5	+ 0.1	- 0.4	1.92
FEB	I	+ 0.1	+ 0.2	- 0.1	- 0.1	+ 0.2	- 0.4	- 1.3	- 3.1	- 4.8	- 6.1	- 5.8	- 3.9	- 0.8	+ 2.0	+ 4.0	+ 4.9	+ 4.4	+ 3.4	+ 2.2	+ 1.8	+ 1.5	+ 1.0	+ 0.6	+ 0.4	2.20
MAR	II	+ 0.1	- 0.1	+ 0.1	- 0.2	- 0.3	- 0.3	- 0.8	- 2.0	- 3.3	- 4.2	- 4.0	- 2.9	- 1.0	+ 1.0	+ 2.6	+ 3.2	+ 3.2	+ 2.5	+ 1.7	+ 1.3	+ 1.2	+ 0.9	+ 0.7	+ 0.5	1.59
APR	II	- 0.2	- 0.2	- 0.1	0.0	- 0.2	- 0.2	- 0.7	- 1.9	- 3.5	- 4.0	- 3.4	- 1.3	+ 1.0	+ 2.7	+ 3.2	+ 2.9	+ 2.3	+ 1.5	+ 1.0	+ 0.7	+ 0.3	+ 0.2	- 0.1	0.0	1.31
MAY	III	- 0.2	0.0	0.0	+ 0.5	+ 0.2	+ 0.1	+ 0.2	+ 0.2	- 0.8	- 2.0	- 2.6	- 2.2	- 1.2	+ 0.2	+ 1.6	+ 2.5	+ 2.3	+ 1.3	+ 0.6	+ 0.3	0.0	- 0.3	- 0.4	- 0.3	0.84
JUN	III	- 0.5	- 0.2	0.0	0.0	+ 0.1	+ 0.1	+ 0.2	+ 0.6	0.0	- 1.0	- 1.6	- 1.4	- 0.7	+ 0.3	+ 1.1	+ 1.7	+ 1.5	+ 0.6	+ 0.2	0.0	- 0.1	- 0.3	- 0.4	- 0.3	0.54
JUL	III	- 0.5	- 0.1	+ 0.1	+ 0.2	+ 0.3	+ 0.2	+ 0.4	+ 0.5	- 0.1	- 1.1	- 1.7	- 1.5	- 0.8	0.0	+ 0.9	+ 1.6	+ 1.5	+ 0.8	+ 0.3	+ 0.1	0.0	- 0.3	- 0.3	- 0.4	0.59
AUG	III	- 0.5	- 0.4	0.0	+ 0.2	+ 0.4	+ 0.4	+ 0.6	+ 0.5	- 0.4	- 1.9	- 2.7	- 2.9	- 2.1	- 0.8	+ 0.9	+ 2.2	+ 2.7	+ 1.9	+ 1.1	+ 0.7	+ 0.5	+ 0.2	- 0.1	- 0.3	1.02
SEP	II	- 0.4	- 0.2	0.0	+ 0.1	+ 0.2	+ 0.1	- 0.4	- 1.2	- 2.9	- 4.1	- 4.3	- 3.2	- 0.6	+ 2.0	+ 3.6	+ 3.7	+ 2.9	+ 1.7	+ 1.1	+ 0.9	+ 0.7	+ 0.3	+ 0.2	0.0	1.45
OCT	II	- 0.4	- 0.3	- 0.4	- 0.3	+ 0.1	- 0.2	- 1.5	- 3.2	- 4.6	- 5.3	- 4.5	- 2.0	+ 1.0	+ 3.2	+ 4.4	+ 4.5	+ 3.4	+ 1.9	+ 1.2	+ 0.9	+ 0.8	+ 0.6	+ 0.4	+ 0.1	1.90
NOV	I	- 0.4	- 0.1	+ 0.3	+ 0.6	0.0	- 0.8	- 2.3	- 4.2	- 5.4	- 5.5	- 4.4	- 1.8	+ 1.2	+ 3.5	+ 4.7	+ 4.5	+ 3.4	+ 2.2	+ 1.5	+ 1.2	+ 0.9	+ 0.4	+ 0.4	+ 0.2	2.09
DEC	I	- 0.4	- 0.2	- 0.3	+ 0.3	+ 0.1	- 0.8	- 2.5	- 4.2	- 5.0	- 5.0	- 3.7	- 1.0	+ 1.0	+ 2.5	+ 3.6	+ 3.7	+ 3.1	+ 2.7	+ 2.0	+ 1.5	+ 1.0	+ 0.8	+ 0.5	+ 0.3	1.92
MEANS	I	- 0.2	- 0.1	0.0	+ 0.1	0.0	- 0.8	- 2.3	- 4.0	- 5.1	- 5.3	- 4.1	- 1.8	+ 0.8	+ 2.9	+ 4.2	+ 4.3	+ 3.5	+ 2.6	+ 1.7	+ 1.4	+ 1.1	+ 0.7	+ 0.4	+ 0.1	1.98
	II	- 0.2	- 0.2	- 0.1	- 0.1	0.0	- 0.2	- 0.8	- 2.1	- 3.6	- 4.4	- 4.1	- 2.3	+ 0.1	+ 2.2	+ 3.4	+ 3.6	+ 2.9	+ 1.9	+ 1.3	+ 1.0	+ 0.8	+ 0.5	+ 0.3	+ 0.2	1.51
	III	- 0.4	- 0.2	0.0	+ 0.2	+ 0.3	+ 0.2	+ 0.4	+ 0.4	- 0.3	- 1.5	- 2.1	- 2.0	- 1.2	- 0.1	+ 1.2	+ 2.0	+ 2.0	+ 1.2	+ 0.5	+ 0.3	+ 0.1	- 0.2	- 0.3	- 0.3	0.73
	YEAR	- 0.3	- 0.2	0.0	+ 0.1	+ 0.1	- 0.3	- 0.9	- 1.9	- 3.0	- 3.7	- 3.4	- 2.0	- 0.1	+ 1.7	+ 2.9	+ 3.3	+ 2.8	+ 1.9	+ 1.2	+ 0.9	+ 0.6	+ 0.3	+ 0.1	0.0	1.32

TABLE 382--CONCLUDED

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 5.6	- 5.0	- 3.0	- 0.3	+ 2.2	+ 4.2	+ 5.0	+ 4.4	+ 2.8	+ 1.6	+ 0.8	+ 0.8	+ 0.8	+ 0.5	+ 0.2	- 0.2	- 0.3	- 0.3	- 0.2	0.0	- 0.5	- 1.3	- 2.6	- 4.0	1.94
FEB	I	- 4.9	- 6.6	- 6.5	- 4.6	- 1.0	+ 2.2	+ 4.5	+ 5.4	+ 4.8	+ 3.7	+ 2.4	+ 1.9	+ 1.5	+ 1.0	+ 0.8	+ 0.4	+ 0.3	+ 0.1	- 0.1	- 0.3	- 0.4	- 0.6	- 1.2	- 2.8	2.42
MAR	II	- 3.1	- 3.8	- 3.8	- 3.2	- 1.7	+ 0.6	+ 2.6	+ 3.3	+ 3.0	+ 2.1	+ 1.5	+ 1.2	+ 1.1	+ 0.9	+ 0.7	+ 0.4	+ 0.1	+ 0.2	+ 0.2	+ 0.1	0.0	- 0.3	- 0.7	- 1.6	1.51
APR	II	- 4.1	- 4.2	- 3.2	- 0.9	+ 1.8	+ 3.5	+ 3.8	+ 3.2	+ 2.2	+ 1.5	+ 1.0	+ 0.7	+ 0.4	+ 0.2	+ 0.1	0.0	- 0.1	- 0.1	- 0.3	- 0.3	- 0.5	- 0.7	- 1.3	- 2.7	1.54
MAY	III	- 0.7	- 2.0	- 2.7	- 2.5	- 1.4	0.0	+ 1.4	+ 2.4	+ 2.2	+ 1.2	+ 0.6	+ 0.3	0.0	- 0.2	- 0.3	- 0.2	- 0.1	+ 0.1	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.2	0.84
JUN	III	+ 0.2	- 1.0	- 1.7	- 1.7	- 1.0	+ 0.1	+ 1.1	+ 1.8	+ 1.6	+ 0.7	+ 0.2	0.0	- 0.1	- 0.3	- 0.3	- 0.3	0.0	- 0.1	0.0	0.0	+ 0.1	+ 0.2	+ 0.2	+ 0.5	0.55
JUL	III	- 0.1	- 1.1	- 1.5	- 1.5	- 1.0	- 0.2	+ 0.6	+ 1.4	+ 1.4	+ 1.0	+ 0.3	+ 0.1	- 0.1	- 0.2	- 0.4	- 0.4	- 0.4	- 0.2	+ 0.2	+ 0.5	+ 0.4	+ 0.2	+ 0.3	+ 0.7	0.58
AUG	III	- 0.9	- 2.6	- 3.4	- 3.5	- 2.7	- 1.2	+ 0.8	+ 2.5	+ 3.1	+ 2.0	+ 1.0	+ 0.6	+ 0.5	+ 0.1	0.0	0.0	0.0	+ 0.1	+ 0.3	+ 0.5	+ 0.7	+ 0.6	+ 0.7	+ 0.6	1.20
SEP	II	- 3.0	- 4.3	- 4.7	- 3.6	- 1.1	+ 1.7	+ 3.4	+ 3.6	+ 2.9	+ 1.7	+ 1.1	+ 0.8	+ 0.7	+ 0.4	+ 0.2	+ 0.2	+ 0.3	+ 0.2	+ 0.3	+ 0.3	+ 0.2	+ 0.1	- 0.1	- 1.3	1.51
OCT	II	- 5.2	- 5.9	- 4.9	- 2.3	+ 0.9	+ 3.4	+ 4.5	+ 4.6	+ 3.2	+ 2.0	+ 1.2	+ 1.1	+ 0.9	+ 0.5	+ 0.4	+ 0.3	+ 0.2	+ 0.2	+ 0.2	+ 0.2	0.0	- 0.3	- 1.8	- 3.4	1.99
NOV	I	- 5.7	- 5.8	- 4.6	- 2.0	+ 1.1	+ 3.7	+ 4.8	+ 4.1	+ 2.8	+ 1.8	+ 1.4	+ 1.2	+ 1.0	+ 0.7	+ 0.4	+ 0.2	+ 0.3	+ 0.3	+ 0.4	+ 0.4	+ 0.1	- 0.6	- 2.0	- 3.8	2.05
DEC	I	- 5.2	- 4.8	- 3.4	- 0.9	+ 1.0	+ 2.8	+ 3.8	+ 4.0	+ 3.2	+ 2.6	+ 1.6	+ 1.1	+ 1.1	+ 1.1	+ 0.9	+ 0.6	+ 0.4	+ 0.2	0.0	- 0.2	- 0.3	- 1.2	- 3.2	- 5.0	2.02
MEANS	I	- 5.3	- 5.5	- 4.4	- 2.0	+ 0.8	+ 3.2	+ 4.5	+ 4.5	+ 3.4	+ 2.4	+ 1.6	+ 1.2	+ 1.1	+ 0.8	+ 0.6	+ 0.3	+ 0.2	+ 0.1	0.0	0.0	- 0.3	- 0.9	- 2.3	- 3.9	2.05
	II	- 3.8	- 4.6	- 4.1	- 2.5	0.0	+ 2.3	+ 3.6	+ 3.7	+ 2.9	+ 1.8	+ 1.2	+ 1.0	+ 0.8	+ 0.5	+ 0.4	+ 0.2	+ 0.1	+ 0.1	+ 0.1	+ 0.1	- 0.1	- 0.3	- 1.0	- 2.3	1.56
	III	- 0.4	- 1.7	- 2.3	- 2.3	- 1.5	- 0.3	+ 1.0	+ 2.0	+ 2.1	+ 1.2	+ 0.5	+ 0.3	+ 0.1	- 0.1	- 0.3	- 0.2	- 0.1	0.0	+ 0.2	+ 0.3	+ 0.4	+ 0.4	+ 0.4	+ 0.5	0.77
	YEAR	- 3.2	- 3.9	- 3.6	- 2.3	- 0.2	+ 1.7	+ 3.0	+ 3.4	+ 2.8	+ 1.8	+ 1.1	+ 0.8	+ 0.7	+ 0.4	+ 0.2	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1	0.0	- 0.3	- 1.0	- 1.9	1.36

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 3.2	- 3.4	- 2.1	+ 0.3	+ 2.6	+ 4.5	+ 5.7	+ 6.1	+ 5.6	+ 4.7	+ 4.2	+ 3.8	+ 2.8	+ 0.3	- 0.4	- 3.0	- 4.9	- 3.6	- 4.1	- 3.4	- 1.2	- 3.0	- 3.5	- 3.7	3.38
FEB	I	- 2.3	- 3.0	- 3.3	- 1.8	+ 0.1	+ 2.2	+ 4.2	+ 4.5	+ 4.3	+ 3.6	+ 2.5	+ 1.5	+ 1.1	0.0	- 1.2	+ 1.6	+ 1.3	- 0.2	- 0.3	- 0.6	- 1.0	- 1.6	- 2.2	- 3.7	2.01
MAR[a]	II	+ 0.6	- 3.3	+ 0.1	+ 0.1	+ 1.2	+ 3.4	+ 3.3	+ 4.5	+ 4.2	+ 2.7	- 1.9	- 1.4	+ 0.7	- 1.6	- 2.7	- 1.8	- 2.0	- 2.4	- 2.8	- 3.6	- 1.9	+ 2.0	- 0.6	+ 3.2	2.17
APR	II	- 1.2	- 2.1	- 1.4	+ 0.1	+ 1.6	+ 2.5	+ 2.6	+ 2.5	+ 1.7	- 0.2	+ 0.2	- 0.3	- 0.4	- 1.3	- 1.2	- 1.3	- 0.6	- 0.8	- 1.9	+ 0.2	- 1.2	+ 0.9	+ 0.8	+ 0.8	1.16
MAY	III	- 0.9	- 1.7	- 1.1	- 1.3	+ 0.2	+ 1.8	+ 2.2	+ 3.3	+ 3.5	+ 2.2	+ 1.1	- 0.5	- 1.3	- 1.8	- 1.4	- 1.8	- 1.9	- 1.4	- 1.2	- 0.4	+ 0.5	+ 0.8	+ 0.6	+ 0.6	1.38
JUN	III	+ 2.2	+ 0.8	+ 0.1	- 0.6	+ 0.7	+ 1.2	+ 1.8	+ 2.6	+ 3.2	+ 1.2	- 0.4	- 0.4	- 2.1	- 3.2	- 2.6	- 3.2	- 2.6	- 2.3	+ 0.1	+ 1.7	+ 0.1	+ 1.0	+ 1.6	+ 2.5	1.59
JUL	III	- 0.1	- 1.1	- 1.5	- 1.1	0.0	+ 1.0	+ 1.4	+ 2.2	+ 2.8	+ 1.3	+ 0.9	+ 1.0	- 2.7	- 2.3	- 1.5	- 2.0	- 1.7	- 1.0	- 0.2	+ 0.4	+ 0.5	+ 0.7	+ 1.4	+ 1.4	1.27
AUG	III	- 1.0	- 2.3	- 2.9	- 2.7	- 1.7	- 0.3	+ 1.8	+ 3.2	+ 3.5	+ 2.4	+ 2.2	+ 1.7	+ 0.6	- 0.2	- 1.1	- 1.0	- 1.6	- 2.1	- 1.4	- 0.3	- 0.4	+ 0.4	+ 1.7	+ 1.7	1.58
SEP	II	- 2.1	- 2.6	- 2.1	- 1.5	+ 0.2	+ 2.8	+ 3.2	+ 4.2	+ 3.5	+ 2.5	+ 0.7	+ 0.6	+ 0.3	- 1.1	- 1.4	- 1.4	- 1.8	- 1.0	- 2.2	- 0.5	+ 0.3	+ 0.4	0.0	- 1.1	1.56
OCT	II	- 3.0	- 2.9	- 2.8	- 0.4	+ 2.1	+ 4.6	+ 5.5	+ 5.9	+ 4.8	+ 4.4	+ 3.3	+ 2.1	+ 1.3	+ 0.6	- 1.2	- 2.1	- 3.4	- 3.9	- 4.2	- 3.1	- 1.6	- 1.1	- 1.9	- 3.1	1.63
NOV	I	- 3.8	- 4.0	- 2.8	- 0.3	+ 2.0	+ 4.9	+ 6.6	+ 6.4	+ 5.4	+ 3.3	+ 1.8	+ 0.8	+ 0.6	- 0.3	- 3.4	- 1.9	- 2.2	- 1.7	- 0.8	- 0.5	- 0.7	- 2.0	- 2.9	- 4.4	2.65
DEC	I	- 6.4	- 5.9	- 3.9	- 0.3	+ 2.7	+ 4.9	+ 6.0	+ 5.9	+ 4.9	+ 4.2	+ 2.8	+ 1.0	+ 0.7	+ 0.2	- 0.6	+ 0.2	- 0.8	- 2.0	- 1.7	- 0.8	- 0.4	- 1.5	- 3.8	- 5.2	2.78
MEANS	I	- 3.9	- 4.1	- 3.0	- 0.5	+ 1.8	+ 4.1	+ 5.6	+ 5.7	+ 5.1	+ 4.0	+ 2.8	+ 1.8	+ 1.3	0.0	- 1.4	- 1.6	- 2.3	- 1.9	- 2.0	- 1.4	- 0.8	- 2.0	- 3.1	- 4.3	2.69
	II	- 1.4	- 2.7	- 1.6	- 0.4	+ 1.3	+ 3.3	+ 3.7	+ 4.2	+ 3.5	+ 2.3	+ 0.6	+ 0.3	+ 0.5	- 0.8	- 1.6	- 1.7	- 2.0	- 2.0	- 2.8	- 1.8	- 1.1	+ 0.5	- 0.4	0.0	1.69
	III	0.0	- 1.1	- 1.3	- 1.4	- 0.2	+ 1.0	+ 1.8	+ 2.8	+ 3.2	+ 1.8	+ 1.0	+ 0.5	- 1.4	- 1.8	- 1.7	- 2.0	- 1.9	- 1.7	- 0.7	- 0.5	+ 0.2	+ 0.7	+ 1.3	+ 1.5	1.31
	YEAR	- 1.8	- 2.6	- 2.0	- 0.8	+ 1.0	+ 2.8	+ 3.7	+ 4.3	+ 3.9	+ 2.7	+ 1.4	+ 0.8	+ 0.1	- 0.9	- 1.6	- 1.8	- 2.1	- 1.9	- 1.8	- 1.2	- 0.6	- 0.3	- 0.7	- 0.9	1.73

[a] Four days only--March 24,29,30 and 31

TABLE 383

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.13	+0.02	+0.25	+0.27	+0.30	+0.17	-0.03	-0.25	-0.52	-0.59	-0.48	-0.19	+0.20	+0.44	+0.41	+0.36	+0.37	+0.27	+0.04	+0.05	-0.09	-0.35	-0.32	-0.17	0.26
FEB	I	-0.04	+0.07	+0.19	+0.32	+0.43	+0.24	+0.17	-0.05	-0.47	-0.62	-0.38	+0.04	+0.41	+0.69	+0.66	+0.43	+0.17	-0.16	-0.50	-0.40	-0.33	-0.29	-0.30	-0.29	0.32
MAR[a]	II	+0.05	+0.01	+0.13	+0.28	+0.48	+0.46	+0.36	+0.26	-0.03	-0.39	-0.13	+0.19	+0.10	+0.14	+0.35	+0.28	+0.03	-0.39	-0.59	-0.48	-0.36	-0.24	-0.22	-0.23	0.26
APR[b]	II	-0.02	+0.12	+0.24	+0.44	+0.47	+0.49	+0.51	+0.34	+0.13	-0.01	-0.12	-0.22	+0.03	+0.04	-0.16	-0.32	-0.38	-0.37	-0.36	-0.29	-0.25	-0.24	-0.07	+0.05	0.24
MAY	III	-0.07	+0.20	+0.33	+0.45	+0.49	+0.53	+0.66	+0.85	+0.92	+0.80	+0.56	+0.21	+0.01	-0.36	-0.59	-0.60	-0.65	-0.59	-0.59	-0.63	-0.74	-0.62	-0.40	-0.16	0.50
JUN	III	-0.27	-0.05	+0.22	+0.21	+0.21	+0.33	+0.50	+0.77	+0.76	+0.70	+0.52	+0.24	-0.04	-0.35	-0.42	-0.33	-0.33	-0.25	-0.26	-0.17	-0.40	-0.48	-0.54	-0.57	0.37
JUL	III	-0.22	-0.08	+0.14	+0.22	+0.30	+0.36	+0.41	+0.53	+0.63	+0.51	+0.35	+0.28	+0.07	-0.06	-0.30	-0.29	-0.27	-0.32	-0.22	-0.28	-0.55	-0.48	-0.45	-0.31	0.32
AUG	III	-0.39	-0.14	+0.04	+0.28	+0.31	+0.36	+0.57	+0.81	+0.85	+0.76	+0.62	+0.48	+0.29	+0.06	-0.17	-0.37	-0.43	-0.49	-0.45	-0.46	-0.63	-0.71	-0.69	-0.50	0.45
SEP	II	-0.23	+0.23	+0.35	+0.30	+0.31	+0.34	+0.36	+0.32	+0.17	+0.14	+0.22	+0.34	+0.27	+0.19	-0.02	-0.10	-0.29	-0.34	-0.29	-0.40	-0.40	-0.50	-0.44	-0.45	0.29
OCT	II	+0.06	+0.06	+0.25	+0.46	+0.43	+0.29	+0.28	+0.10	-0.07	-0.10	-0.04	+0.18	+0.35	+0.41	+0.33	+0.15	-0.12	-0.36	-0.46	-0.51	-0.61	-0.43	-0.34	-0.29	0.28
NOV	I	+0.12	+0.19	+0.35	+0.42	+0.36	+0.31	+0.16	-0.07	-0.30	-0.27	-0.04	+0.33	+0.64	+0.57	+0.43	+0.13	-0.07	-0.44	-0.63	-0.55	-0.51	-0.39	-0.48	-0.25	0.33
DEC	I	-0.23	-0.07	+0.08	+0.03	-0.07	-0.06	-0.10	-0.17	-0.03	+0.33	+0.80	+1.03	+1.01	+0.74	+0.41	+0.05	-0.31	-0.58	-0.69	-0.56	-0.52	-0.52	-0.45	-0.18	0.38
MEANS	I	-0.07	+0.05	+0.22	+0.26	+0.26	+0.16	+0.05	-0.14	-0.33	-0.29	-0.02	+0.30	+0.56	+0.61	+0.48	+0.24	+0.04	-0.23	-0.44	-0.36	-0.36	-0.39	-0.39	-0.22	0.27
	II	-0.04	+0.10	+0.24	+0.37	+0.42	+0.40	+0.38	+0.26	+0.05	-0.09	-0.02	+0.12	+0.19	+0.20	+0.12	0.00	-0.19	-0.36	-0.42	-0.42	-0.40	-0.35	-0.27	-0.23	0.24
	III	-0.24	-0.02	+0.18	+0.29	+0.33	+0.40	+0.54	+0.74	+0.79	+0.69	+0.51	+0.30	+0.08	-0.18	-0.37	-0.40	-0.42	-0.41	-0.38	-0.38	-0.58	-0.57	-0.52	-0.38	0.40
	YEAR	-0.11	+0.05	+0.21	+0.31	+0.34	+0.32	+0.32	+0.29	+0.17	+0.10	+0.16	+0.24	+0.28	+0.21	+0.08	-0.05	-0.19	-0.34	-0.42	-0.39	-0.45	-0.44	-0.39	-0.28	0.26

[a] Thirty days only--March 1-24, 26-31

[b] Twenty-nine days only--April 1-4, 6-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.09	-0.03	+0.19	+0.12	+0.10	+0.03	-0.07	-0.31	-0.57	-0.66	-0.47	-0.17	+0.16	+0.41	+0.48	+0.45	+0.48	+0.29	+0.08	+0.02	-0.10	-0.17	-0.11	-0.09	0.24
FEB	I	-0.12	-0.02	-0.15	+0.02	+0.09	+0.06	-0.11	-0.32	-0.72	-0.78	-0.57	-0.19	+0.15	+0.59	+0.79	+0.76	+0.48	+0.18	-0.12	-0.07	+0.01	+0.05	+0.01	+0.04	0.27
MAR	II	-0.36	-0.21	-0.10	-0.04	+0.02	-0.06	-0.06	-0.14	-0.35	-0.20	+0.22	+0.43	-0.43	-0.40	-0.42	+0.24	+0.02	-0.14	-0.20	-0.10	-0.10	-0.07	-0.13	0.00	0.18
APR	II	-0.22	-0.14	-0.04	+0.01	+0.05	+0.09	-0.01	-0.06	-0.21	-0.29	-0.16	+0.11	+0.56	+0.52	+0.26	+0.17	+0.11	+0.04	+0.01	0.00	-0.11	-0.26	-0.23	-0.13	0.16
MAY	III	+0.04	+0.09	+0.19	+0.19	+0.22	+0.20	+0.32	+0.59	+0.69	+0.63	+0.33	+0.14	+0.14	-0.17	-0.39	-0.66	-0.58	-0.42	-0.29	-0.25	-0.31	-0.29	-0.24	-0.10	0.31
JUN	III	-0.39	-0.31	-0.16	-0.07	-0.03	0.00	+0.12	+0.39	+0.49	+0.45	+0.31	+0.18	-0.07	-0.22	-0.38	-0.28	-0.15	+0.04	+0.06	+0.02	-0.07	-0.08	+0.02	+0.04	0.18
JUL	III	-0.28	-0.26	-0.16	-0.09	-0.03	+0.08	+0.18	+0.31	+0.34	+0.35	+0.24	+0.20	+0.17	+0.05	-0.04	-0.20	-0.23	-0.05	+0.02	-0.03	-0.12	-0.12	-0.14	-0.14	0.16
AUG	III	-0.58	-0.34	-0.13	-0.08	-0.06	+0.05	+0.26	+0.54	+0.66	+0.79	+0.71	+0.65	+0.46	+0.17	-0.19	-0.43	-0.44	-0.31	-0.16	-0.20	-0.22	-0.31	-0.40	-0.39	0.36
SEP	II	-0.63	-0.41	-0.10	-0.03	-0.07	+0.01	+0.03	+0.07	-0.02	-0.05	+0.12	+0.30	+0.37	+0.44	+0.39	+0.13	+0.03	-0.05	-0.01	-0.07	-0.08	-0.13	-0.10	-0.16	0.16
OCT	II	-0.33	-0.10	-0.06	+0.06	+0.18	+0.01	-0.01	-0.25	-0.34	-0.39	-0.25	+0.15	+0.42	+0.50	+0.49	+0.39	+0.12	-0.06	-0.14	-0.18	-0.15	-0.11	-0.03	+0.03	0.20
NOV	I	-0.20	-0.14	+0.07	+0.06	-0.09	-0.17	-0.29	-0.44	-0.58	-0.37	+0.05	+0.38	+0.62	+0.59	+0.56	+0.27	0.00	-0.17	-0.04	0.00	-0.10	-0.09	-0.02	+0.10	0.22
DEC	I	-0.41	-0.29	-0.14	-0.03	-0.06	-0.05	-0.15	-0.27	-0.13	+0.20	+0.66	+0.85	+0.84	+0.63	+0.34	+0.03	-0.21	-0.31	-0.39	-0.30	-0.24	-0.17	-0.21	-0.21	0.30
MEANS	I	-0.20	-0.12	-0.01	+0.04	+0.01	-0.03	-0.16	-0.34	-0.50	-0.40	-0.08	+0.22	+0.44	+0.56	+0.54	+0.38	+0.19	0.00	-0.12	-0.09	-0.11	-0.10	-0.08	-0.04	0.20
	II	-0.38	-0.22	-0.08	0.00	+0.04	+0.01	-0.01	-0.10	-0.23	-0.23	-0.02	+0.25	+0.44	+0.46	+0.39	+0.23	+0.07	-0.05	-0.08	-0.09	-0.11	-0.14	-0.12	-0.06	0.16
	III	-0.30	-0.20	-0.06	-0.01	+0.02	+0.08	+0.22	+0.46	+0.54	+0.56	+0.40	+0.29	+0.18	-0.04	-0.25	-0.39	-0.35	-0.18	-0.09	-0.12	-0.18	-0.20	-0.19	-0.15	0.23
	YEAR	-0.30	-0.18	-0.05	+0.01	+0.03	+0.02	+0.02	+0.01	-0.06	-0.03	+0.10	+0.25	+0.35	+0.33	+0.23	+0.07	-0.03	-0.08	-0.10	-0.10	-0.13	-0.15	-0.13	-0.08	0.12

TABLE 383--CONCLUDED

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.61	-0.77	-0.72	-0.51	-0.11	+0.15	+0.30	+0.39	+0.33	+0.16	-0.04	-0.04	-0.06	-0.06	+0.04	+0.12	+0.08	+0.19	+0.27	+0.30	+0.31	+0.20	+0.09	-0.10	0.25
FEB	I	-0.79	-0.83	-0.63	-0.31	+0.01	+0.61	+0.91	+0.84	+0.41	+0.13	-0.20	-0.24	-0.21	-0.05	-0.06	-0.08	-0.08	+0.05	-0.04	+0.02	+0.06	+0.23	+0.20	+0.07	0.29
MAR	II	-0.37	-0.12	+0.27	+0.27	+0.28	+0.35	+0.46	+0.29	0.00	-0.24	-0.29	-0.20	-0.28	-0.33	-0.34	-0.28	-0.24	-0.14	-0.06	+0.10	+0.20	+0.21	+0.21	+0.16	0.24
APR	II	-0.63	-0.69	-0.36	+0.10	+0.85	+0.75	+0.51	+0.35	+0.20	+0.01	-0.06	-0.07	-0.16	-0.23	-0.27	-0.21	-0.16	-0.05	+0.02	+0.08	+0.13	+0.10	+0.03	-0.24	0.26
MAY	III	+0.54	+0.38	+0.11	-0.16	-0.23	-0.44	-0.61	-0.79	-0.50	-0.20	-0.11	-0.20	-0.30	-0.26	-0.15	-0.02	+0.09	+0.13	+0.25	+0.31	+0.35	+0.38	+0.56	+0.81	0.33
JUN	III	+0.52	+0.46	+0.17	-0.12	-0.37	-0.49	-0.54	-0.41	-0.31	-0.03	-0.02	-0.11	-0.19	-0.19	-0.08	-0.07	0.00	+0.04	+0.05	+0.10	+0.16	+0.32	+0.41	+0.70	0.24
JUL	III	+0.31	+0.31	+0.33	+0.27	+0.17	+0.02	-0.16	-0.29	-0.34	-0.21	-0.08	-0.18	-0.27	-0.26	-0.26	-0.17	-0.14	-0.06	-0.02	+0.13	+0.17	+0.20	+0.30	+0.25	0.20
AUG	III	+0.35	+0.37	+0.26	+0.28	+0.04	-0.35	-0.67	-0.77	-0.60	-0.38	-0.18	-0.15	-0.19	-0.17	-0.13	-0.08	-0.10	+0.07	+0.15	+0.19	+0.27	+0.43	+0.62	+0.84	0.32
SEP	II	-0.27	-0.26	-0.12	+0.03	+0.15	+0.21	+0.11	-0.11	-0.11	-0.12	-0.10	-0.10	-0.19	-0.25	-0.18	-0.21	-0.12	-0.05	+0.07	+0.19	+0.27	+0.32	+0.41	+0.45	0.18
OCT	II	-0.59	-0.60	-0.44	-0.03	+0.37	+0.49	+0.45	+0.35	-0.02	-0.12	-0.11	-0.08	-0.10	-0.16	-0.06	-0.01	0.00	+0.07	+0.15	+0.26	+0.17	+0.10	+0.01	-0.12	0.20
NOV	I	-0.82	-0.39	+0.07	+0.43	+0.77	+0.70	+0.55	+0.12	-0.25	-0.47	-0.36	-0.28	-0.39	-0.28	-0.25	-0.15	0.00	+0.09	+0.18	+0.25	+0.31	+0.31	+0.08	-0.31	0.33
DEC	I	-0.29	+0.07	+0.60	+0.70	+0.72	+0.61	+0.38	+0.09	-0.11	-0.40	-0.56	-0.47	-0.38	-0.24	-0.13	-0.11	-0.10	-0.10	-0.03	-0.09	-0.02	-0.10	-0.02	0.00	0.26
MEANS	I	-0.63	-0.48	-0.17	+0.08	+0.35	+0.52	+0.54	+0.36	+0.10	-0.14	-0.29	-0.26	-0.26	-0.16	-0.10	-0.06	-0.02	+0.06	+0.10	+0.12	+0.16	+0.16	+0.09	-0.08	0.22
	II	-0.46	-0.42	-0.16	+0.09	+0.41	+0.45	+0.38	+0.22	+0.02	-0.12	-0.14	-0.11	-0.18	-0.24	-0.21	-0.18	-0.13	-0.04	+0.04	+0.16	+0.19	+0.18	+0.16	+0.06	0.20
	III	+0.43	+0.38	+0.22	+0.07	-0.10	-0.32	-0.50	-0.56	-0.44	-0.20	-0.10	-0.16	-0.24	-0.22	-0.16	-0.08	-0.04	+0.04	+0.11	+0.18	+0.24	+0.33	+0.47	+0.65	0.26
	YEAR	-0.22	-0.17	-0.04	+0.08	+0.22	+0.22	+0.14	0.00	-0.11	-0.16	-0.18	-0.18	-0.23	-0.21	-0.16	-0.11	-0.06	+0.02	+0.08	+0.15	+0.20	+0.22	+0.24	+0.21	0.15

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	+0.17	+0.09	-0.04	+0.32	+0.77	+1.40	+1.32	+1.42	+0.93	+0.75	+0.37	+0.53	+0.36	-0.53	-0.57	-0.54	-1.46	-1.10	-0.41	-0.63	-0.34	-0.62	-0.94	-1.29	0.70
FEB	I	+0.57	+0.22	+0.31	+0.28	+0.57	+0.86	+0.73	+0.13	-0.11	-0.50	-0.99	-0.78	-0.52	-0.44	-0.38	-0.51	-0.13	+0.45	+0.24	+0.28	+0.09	-0.01	-0.14	-0.19	0.39
MAR[a]	II	+2.53	+0.29	+0.73	+1.16	-0.23	+0.20	+1.66	+2.18	+1.91	+0.74	-0.29	-0.14	+0.07	+0.44	+1.33	+0.85	+1.04	-2.48	-4.10	-2.99	-1.69	-0.93	-1.32	-0.95	1.26
APR	II	+0.07	-0.06	-0.91	-2.12	-1.73	-1.08	-1.18	-1.21	-1.30	-1.11	-0.87	-0.45	-0.27	-0.27	+0.32	+0.58	+0.85	+1.11	+1.42	+1.98	+1.73	+1.61	+1.85	+1.08	1.05
MAY	III	+2.07	+1.79	+1.53	+0.80	-0.06	-0.57	-0.79	-0.31	-0.96	-0.97	-1.96	-1.86	-2.09	-1.62	-0.62	-0.32	-0.25	+0.23	+0.37	+0.99	+1.03	+1.26	+1.20	+1.15	1.03
JUN	III	+1.99	+1.91	+1.53	+0.58	+0.32	-0.23	+0.06	+0.01	+0.13	-0.25	-0.80	-0.29	-1.22	-1.25	-1.21	-1.73	-1.20	-0.36	+0.44	+0.13	-0.22	+0.05	+0.68	+0.89	0.73
JUL	III	+1.09	+0.98	+1.07	+0.70	+0.27	+0.26	-0.04	+0.22	+0.22	-0.25	-0.64	-0.48	-1.25	-1.18	-1.49	-0.77	-0.57	-0.29	+0.32	+0.36	+0.35	+0.39	+0.29	+0.48	0.58
AUG	III	+1.58	+1.56	+1.47	+1.28	+0.92	+0.70	+0.38	+0.08	-0.23	-0.66	-1.13	-1.09	-1.60	-1.86	-1.84	-0.90	-0.67	-0.18	+0.01	+0.31	+0.51	+0.24	+0.45	+0.63	0.84
SEP	II	+0.60	+0.21	+0.10	+0.04	-0.35	-0.53	-0.96	-0.92	-0.88	-0.60	-0.27	-0.41	-0.17	-0.33	-0.16	-0.12	+0.09	+1.51	+1.26	+0.89	+0.34	+0.15	+0.24	+0.23	0.47
OCT	II	+0.67	+0.39	+0.06	-0.02	+0.12	+0.17	+0.13	+0.16	-0.24	-0.30	-0.60	-0.61	-0.98	-0.91	-0.60	-0.82	+0.03	-0.01	+0.10	+1.21	+1.07	+0.72	+0.35	-0.06	0.43
NOV	I	+0.41	+0.41	+0.48	+0.85	+0.85	+0.29	+0.01	-0.10	+0.25	-0.55	-0.91	-0.87	-0.66	-0.59	-1.33	-0.51	+0.21	+0.45	+0.62	+0.45	+0.34	+0.01	-0.02	-0.05	0.47
DEC	I	+0.13	+0.06	+0.81	+1.13	+0.97	+0.60	+0.71	+0.42	+0.01	-0.47	-0.92	-0.63	-0.41	-0.46	-0.42	+0.04	-0.22	-0.20	-0.04	-0.14	-0.34	-0.23	-0.23	-0.12	0.40
MEANS	I	+0.32	+0.20	+0.39	+0.64	+0.79	+0.79	+0.69	+0.47	+0.27	-0.19	-0.61	-0.44	-0.31	-0.50	-0.68	-0.38	-0.40	-0.10	+0.10	-0.01	-0.06	-0.21	-0.33	-0.41	0.39
	II	+0.97	+0.21	0.00	-0.24	-0.55	-0.31	-0.09	+0.05	-0.13	-0.32	-0.51	-0.40	-0.34	-0.27	+0.22	+0.12	+0.50	+0.03	-0.33	+0.27	+0.36	+0.39	+0.28	+0.08	0.29
	III	+1.68	+1.56	+1.40	+0.84	+0.36	+0.04	-0.10	0.00	-0.21	-0.53	-1.13	-0.93	-1.54	-1.48	-1.29	-0.93	-0.67	-0.15	+0.28	+0.45	+0.42	+0.48	+0.66	+0.79	0.75
	YEAR	+0.99	+0.65	+0.60	+0.42	+0.20	+0.17	+0.17	+0.17	-0.02	-0.35	-0.75	-0.59	-0.73	-0.75	-0.58	-0.40	-0.19	-0.07	+0.02	+0.24	+0.24	+0.22	+0.20	+0.15	0.37

[a] Four days only--March 24,29,30, and 31

TABLE 384

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 3	+ 4	+ 6	+ 6	+ 6	+ 6	+ 5	+ 2	- 4	- 9	-14	-15	-10	- 5	- 2	0	+ 4	+ 5	+ 3	+ 4	+ 3	+ 1	+ 1	+ 3	5.1
FEB	I	+ 4	+ 4	+ 5	+ 7	+ 8	+ 6	+ 8	+ 7	+ 1	- 5	- 7	- 8	- 9	- 6	- 4	- 3	- 1	- 1	- 4	- 2	- 1	+ 1	+ 1	+ 1	4.3
MAR[a]	II	+ 5	+ 4	+ 4	+ 6	+ 9	+ 9	+ 8	+ 7	+ 4	- 3	- 5	- 5	-11	-12	- 7	- 4	- 3	- 5	- 4	- 2	- 1	+ 2	+ 3	+ 2	5.2
APR[b]	II	+ 2	+ 4	+ 6	+ 8	+ 8	+ 9	+10	+ 9	+ 7	+ 2	- 4	-10	-11	-12	-12	-11	- 8	- 4	- 3	- 1	+ 1	+ 1	+ 4	+ 4	6.2
MAY	III	0	+ 3	+ 5	+ 6	+ 7	+ 8	+10	+14	+17	+16	+11	+ 2	- 6	-13	-17	-16	-12	- 8	- 7	- 6	- 8	- 6	- 3	- 1	8.5
JUN	III	- 3	0	+ 2	+ 3	+ 2	+ 4	+ 7	+10	+13	+14	+11	+ 3	- 4	-11	-13	-10	- 7	- 2	- 1	0	- 3	- 4	- 6	- 7	5.9
JUL	III	- 2	- 1	+ 2	+ 2	+ 4	+ 6	+ 6	+ 8	+12	+12	+ 8	+ 4	- 2	- 7	-11	-11	- 7	- 4	- 2	- 2	- 5	- 4	- 4	- 3	5.4
AUG	III	- 4	- 1	+ 1	+ 4	+ 4	+ 5	+ 8	+14	+18	+19	+16	+10	+ 2	- 6	-13	-16	-13	- 9	- 6	- 5	- 7	- 8	- 7	- 5	8.3
SEP	II	- 1	+ 5	+ 7	+ 5	+ 5	+ 6	+ 7	+10	+10	+ 8	+ 6	+ 2	- 6	-12	-14	-11	- 8	- 5	- 2	- 3	- 2	- 3	- 2	- 3	5.9
OCT	II	+ 5	+ 4	+ 6	+ 9	+ 7	+ 6	+ 9	+ 9	+ 6	+ 3	- 3	- 8	-10	-10	- 9	- 6	- 3	- 3	- 3	- 3	- 4	- 2	0	0	5.4
NOV	I	+ 6	+ 5	+ 7	+ 7	+ 8	+ 9	+10	+ 8	+ 2	- 2	- 7	- 9	- 8	-10	- 8	- 5	- 2	- 3	- 4	- 3	- 2	0	- 1	+ 1	5.2
DEC	I	0	+ 1	+ 2	+ 1	0	+ 2	+ 4	+ 4	+ 3	+ 5	+ 6	+ 4	+ 3	0	- 3	- 4	- 5	- 7	- 6	- 4	- 3	- 3	- 2	+ 1	3.1
MEANS	I	+ 3.1	+ 3.6	+ 5.0	+ 5.2	+ 5.4	+ 5.8	+ 6.6	+ 4.9	+ 0.6	- 2.7	- 5.6	- 7.0	- 6.0	- 5.4	- 4.3	- 2.9	- 0.9	- 1.4	- 3.0	- 1.0	- 0.5	- 0.3	- 0.3	+ 1.6	3.5
	II	+ 2.9	+ 4.4	+ 5.7	+ 6.9	+ 7.4	+ 7.4	+ 8.6	+ 8.7	+ 6.7	+ 2.5	- 1.4	- 5.2	- 9.7	-11.5	-10.3	- 7.9	- 5.5	- 4.2	- 2.9	- 2.0	- 1.7	- 0.1	+ 1.0	+ 0.9	5.2
	III	- 2.3	+ 0.3	+ 2.6	+ 3.8	+ 4.5	+ 5.8	+ 7.8	+11.4	+15.1	+15.3	+11.5	+ 4.7	- 2.6	- 9.3	-13.7	-13.1	- 9.6	- 5.4	- 3.9	- 3.4	- 5.8	- 5.5	- 5.2	- 3.7	6.9
	YEAR	+ 1.3	+ 2.8	+ 4.4	+ 5.3	+ 5.8	+ 6.3	+ 7.6	+ 8.4	+ 7.5	+ 5.0	+ 1.5	- 2.5	- 6.1	- 8.7	- 9.4	- 8.0	- 5.4	- 3.7	- 3.3	- 2.2	- 2.7	- 2.0	- 1.5	- 0.4	4.7

[a] Thirty days only--March 1-24, 26-31

[b] Twenty-nine days only--April 1-4, 6-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	+ 2	+ 4	+ 3	+ 3	+ 4	+ 6	+ 4	- 2	- 9	-14	-14	-12	- 7	- 3	+ 2	+ 7	+ 7	+ 5	+ 4	+ 2	+ 2	+ 3	+ 3	5.0
FEB	I	+ 3	+ 3	+ 1	+ 2	+ 3	+ 4	+ 4	+ 4	- 1	- 4	- 7	-11	-13	-10	- 5	- 1	+ 1	+ 2	+ 1	+ 2	+ 4	+ 6	+ 5	+ 5	4.3
MAR	II	- 2	0	+ 1	+ 2	+ 3	+ 2	+ 2	+ 3	+ 2	+ 2	+ 3	+ 1	- 4	- 6	- 6	- 6	- 4	- 3	- 1	+ 1	+ 2	+ 2	+ 2	+ 3	2.6
APR	II	- 2	- 1	0	+ 1	+ 2	+ 4	+ 4	+ 5	+ 3	- 1	- 4	- 3	- 4	- 5	- 6	- 3	0	+ 1	+ 2	+ 3	+ 2	0	0	+ 1	2.4
MAY	III	+ 1	+ 1	+ 3	+ 3	+ 4	+ 4	+ 6	+11	+15	+15	+ 9	+ 2	- 3	-10	-15	-17	-12	- 5	- 2	- 1	- 2	- 2	- 2	0	6.1
JUN	III	- 5	- 5	- 3	- 1	0	0	+ 2	+ 6	+10	+11	+ 8	+ 2	- 4	- 9	-12	- 9	- 4	+ 2	+ 3	+ 3	+ 1	+ 1	+ 2	+ 2	4.4
JUL	III	- 3	- 4	- 3	- 2	- 1	+ 2	+ 3	+ 5	+ 8	+10	+ 7	+ 3	- 1	- 5	- 8	-10	- 6	0	+ 2	+ 2	+ 1	0	0	- 1	3.6
AUG	III	- 8	- 5	- 3	- 2	- 2	+ 1	+ 4	+10	+15	+20	+18	+13	+ 5	- 4	-12	-16	-13	- 6	- 2	- 2	- 1	- 2	- 4	- 4	7.1
SEP	II	- 8	- 5	0	0	0	+ 2	+ 4	+ 6	+ 7	+ 6	+ 5	+ 1	- 5	- 8	- 7	- 6	- 2	0	+ 2	+ 2	+ 2	+ 2	+ 2	0	3.5
OCT	II	- 2	+ 1	+ 1	+ 3	+ 4	+ 3	+ 6	+ 5	+ 3	- 1	- 7	-10	-11	- 9	- 6	- 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 3	+ 4	3.8
NOV	I	0	0	+ 2	+ 1	+ 1	+ 1	+ 3	+ 2	- 2	- 3	- 4	- 6	- 6	- 7	- 4	- 2	0	0	+ 3	+ 4	+ 3	+ 4	+ 4	+ 5	2.8
DEC	I	- 2	- 2	- 1	0	0	+ 3	+ 4	+ 3	+ 3	+ 4	+ 5	+ 3	+ 2	- 2	- 4	- 5	- 4	- 4	- 4	- 2	0	+ 1	+ 1	[illegible]	2.4
MEANS	I	+ 0.5	+ 0.6	+ 1.6	+ 1.7	+ 1.8	+ 3.0	+ 4.0	+ 3.2	- 0.4	- 2.9	- 4.8	- 6.8	- 7.3	- 6.4	- 4.0	- 1.6	+ 0.8	+ 1.5	+ 1.4	+ 2.1	+ 2.2	+ 3.1	+ 3.2	+ 3.4	2.9
	II	- 3.4	- 1.3	+ 0.5	+ 1.6	+ 2.2	+ 2.6	+ 4.0	+ 5.0	+ 3.8	+ 1.5	- 0.6	- 2.8	- 5.8	- 6.9	- 6.1	- 4.0	- 1.4	+ 0.3	+ 1.3	+ 1.9	+ 1.9	+ 1.6	+ 1.6	+ 2.1	2.7
	III	- 3.9	- 3.0	- 1.4	- 0.5	+ 0.3	+ 1.6	+ 3.5	+ 8.0	+12.1	+13.8	+10.6	+ 5.0	- 0.6	- 6.8	-12.0	-13.2	- 8.6	- 2.4	+ 0.3	+ 0.4	- 0.4	- 0.8	- 1.0	- 0.7	4.6
	YEAR	- 2.3	- 1.2	+ 0.2	+ 0.9	+ 1.4	+ 2.4	+ 3.8	+ 5.4	+ 5.2	+ 4.1	+ 1.7	- 1.5	- 4.6	- 6.7	- 7.4	- 6.2	- 3.0	- 0.2	+ 1.0	+ 1.4	+ 1.2	+ 1.3	+ 1.3	+ 1.7	2.8

TABLE 384--CONCLUDED

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H. Z TOWARD NADIR. X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 1	- 9	-16	-19	-17	-13	- 7	+ 1	+ 5	+ 5	+ 3	+ 3	+ 2	+ 3	+ 4	+ 6	+ 4	+ 5	+ 6	+ 6	+ 6	+ 6	+ 8	+ 7	6.7
FEB	I	- 1	- 3	- 6	-12	-16	-10	- 4	0	0	+ 1	- 1	- 1	0	+ 4	+ 3	+ 3	+ 3	+ 5	+ 3	+ 3	+ 4	+ 7	+ 9	+11	4.6
MAR	II	+ 1	+ 3	+ 5	+ 1	- 5	- 8	- 6	- 6	- 5	- 4	- 3	- 1	- 1	- 2	- 2	- 1	- 1	0	+ 1	+ 4	+ 6	+ 6	+ 8	+ 9	3.7
APR	II	- 4	- 8	- 9	- 2	- 1	- 2	- 2	0	+ 2	+ 1	+ 1	+ 3	+ 2	+ 1	0	0	0	+ 1	+ 2	+ 3	+ 3	+ 4	+ 4	+ 3	2.4
MAY	III	+12	+11	+ 6	- 3	- 9	-15	-19	-19	-10	- 1	0	- 1	- 2	- 2	- 1	+ 1	+ 2	+ 2	+ 4	+ 6	+ 6	+ 7	+10	+14	6.8
JUN	III	+10	+11	+ 6	- 2	- 9	-13	-15	-12	- 7	0	+ 2	+ 1	0	- 1	0	0	0	0	0	+ 1	+ 3	+ 5	+ 6	+10	4.8
JUL	III	+ 8	+ 9	+ 8	+ 4	0	- 5	-10	-11	- 8	- 2	0	0	- 2	- 2	- 2	- 2	- 1	- 1	0	+ 2	+ 3	+ 4	+ 6	+ 4	3.9
AUG	III	+12	+14	+11	+ 7	- 2	-13	-22	-24	-17	- 7	- 2	- 1	- 1	0	0	0	- 1	+ 1	+ 2	+ 3	+ 4	+ 7	+11	+16	7.4
SEP	II	+ 2	+ 2	+ 2	- 2	- 7	-10	-11	-10	- 6	- 2	0	+ 1	0	- 1	0	- 1	0	+ 1	+ 2	+ 4	+ 6	+ 7	+10	+14	4.2
OCT	II	0	- 4	- 9	-12	-11	-10	- 7	- 2	- 1	+ 1	+ 2	+ 2	+ 2	+ 1	+ 2	+ 3	+ 2	+ 3	+ 4	+ 6	+ 5	+ 6	+ 7	+ 8	4.6
NOV	I	- 5	- 3	- 3	- 5	- 5	- 7	- 5	- 4	- 4	- 5	- 3	- 1	- 3	- 1	0	+ 1	+ 3	+ 4	+ 5	+ 6	+ 8	+10	+10	+ 6	4.3
DEC	I	- 1	0	+ 3	0	- 1	- 3	- 5	- 5	- 3	- 4	- 6	- 4	- 3	- 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 1	+ 2	+ 3	+ 7	+ 9	2.9
MEANS	I	- 2.1	- 3.6	- 5.5	- 8.7	- 9.7	- 8.3	- 4.9	- 2.1	- 0.4	- 0.6	- 1.6	- 0.8	- 0.9	+ 1.1	+ 2.2	+ 2.8	+ 2.9	+ 3.7	+ 3.9	+ 4.1	+ 5.0	+ 6.5	+ 8.4	+ 8.1	4.1
	II	- 0.2	- 1.6	- 2.6	- 3.6	- 6.2	- 7.5	- 6.5	- 4.6	- 2.6	- 1.2	0.0	+ 1.2	+ 0.6	- 0.2	0.0	+ 0.2	+ 0.4	+ 1.4	+ 2.4	+ 4.2	+ 5.0	+ 5.6	+ 7.2	+ 8.4	3.0
	III	+10.5	+11.3	+ 7.9	+ 1.6	- 4.9	-11.3	-16.4	-16.5	-10.3	- 2.7	+ 0.3	- 0.3	- 1.3	- 1.2	- 0.7	- 0.2	- 0.1	+ 0.8	+ 1.5	+ 2.9	+ 4.0	+ 6.0	+ 8.1	+11.2	5.5
	YEAR	+ 2.8	+ 2.0	0.0	- 3.5	- 6.9	- 9.0	- 9.3	- 7.7	- 4.4	- 1.5	- 0.4	0.0	- 0.5	- 0.1	+ 0.5	+ 0.9	+ 1.1	+ 2.0	+ 2.6	+ 3.7	+ 4.6	+ 6.0	+ 7.9	+ 9.2	3.6

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 7	+ 4	- 5	- 7	- 4	+ 6	+ 8	+14	+11	+12	+ 8	+13	+12	+ 3	+ 2	+ 4	- 8	-11	- 1	-10	-10	-11	-15	-22	8.6
FEB	I	+12	+ 6	+ 4	- 3	- 4	- 2	- 2	- 6	- 4	- 6	-13	- 8	- 4	0	+ 2	- 1	+ 3	+ 8	+ 5	+ 5	+ 3	+ 2	+ 1	+ 3	4.4
MAR[a]	II	+40	+ 6	+ 2	+ 6	-19	-14	+17	+30	+32	+21	+16	+21	+15	+27	+40	+30	+29	-34	-77	-57	-40	-33	-31	-30	27.9
APR	II	+ 3	- 1	-20	-44	-40	-28	-26	-22	-19	-11	- 9	- 1	+ 1	+ 3	+11	+15	+17	+21	+27	+31	+29	+22	+27	+16	18.5
MAY	III	+36	+33	+26	+11	- 7	-18	-20	-11	-18	-12	-27	-23	-26	-19	- 6	- 2	- 2	+ 4	+ 4	+14	+13	+17	+17	+17	16.0
JUN	III	+30	+33	+25	+ 9	+ 1	- 8	- 4	- 4	+ 1	0	- 7	+ 1	-14	-12	-14	-23	-16	- 4	+ 2	+ 2	- 8	- 5	+ 5	+ 8	9.8
JUL	III	+19	+18	+19	+10	0	- 2	- 7	- 1	+ 1	- 1	- 8	- 6	-15	-13	-20	- 9	- 7	- 4	+ 4	+ 4	+ 5	+ 5	+ 2	+ 6	7.7
AUG	III	+30	+32	+29	+22	+10	+ 2	- 6	- 9	-10	-11	-18	-14	-21	-24	-23	-10	- 5	+ 1	+ 2	+ 4	+ 7	+ 1	+ 3	+ 7	12.4
SEP	II	+15	+ 6	- 1	- 6	-17	-24	-28	-23	-17	- 8	+ 1	- 1	+ 3	+ 2	+ 4	+ 4	+ 7	+28	+24	+14	+ 3	+ 1	+ 4	+ 7	10.3
OCT	II	+14	+ 6	- 4	-11	-12	-13	-11	- 5	- 5	- 3	- 5	- 4	- 9	- 7	- 1	- 4	+10	+ 8	+ 8	+21	+15	+ 9	+ 6	0	8.0
NOV	I	+10	+ 6	0	- 1	- 5	-16	-17	-10	+ 3	- 2	- 6	- 5	- 2	0	- 8	- 1	+ 9	+10	+10	+ 7	+ 7	+ 4	+ 5	+ 5	6.3
DEC	I	+ 6	0	+ 3	+ 3	0	- 6	- 1	0	+ 1	- 5	- 9	- 1	+ 2	+ 1	+ 1	+ 7	+ 3	+ 1	0	- 2	- 6	- 2	+ 2	+ 3	2.8
MEANS	I	+ 8.9	+ 3.6	+ 0.6	- 2.0	- 3.7	- 4.3	- 3.0	- 0.7	+ 2.6	- 0.2	- 4.8	- 0.4	+ 2.1	+ 0.9	- 0.6	+ 2.1	+ 1.4	+ 2.0	+ 3.8	0.0	- 1.8	- 1.7	- 1.8	- 2.6	2.3
	II	+18.0	+ 4.4	- 5.5	-13.7	-22.0	-19.8	-11.9	- 5.1	- 2.3	- 0.2	+ 0.8	+ 3.6	+ 2.8	+ 6.2	+13.7	+11.0	+15.6	+ 5.6	- 4.6	+ 2.2	+ 1.8	- 0.1	+ 1.4	- 1.7	7.3
	III	+29.0	+28.8	+24.8	+13.0	+ 1.2	- 6.6	- 9.2	- 6.4	- 6.4	- 6.2	-14.8	-10.6	-18.9	-16.8	-15.6	-10.7	- 7.6	- 0.6	+ 2.9	+ 5.8	+ 4.3	+ 4.6	+ 6.7	+ 9.4	10.9
	YEAR	+18.6	+12.3	+ 6.7	- 0.9	- 8.2	-10.2	- 8.0	- 4.0	- 2.1	- 2.2	- 6.3	- 2.4	- 4.7	- 3.3	- 0.8	+ 0.8	+ 3.1	+ 2.3	+ 0.7	+ 2.7	+ 1.4	+ 0.9	+ 2.1	+ 1.7	4.4

[a] Four days only--March 24,29,30, and 31

TABLE 385

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	+ 3	+ 6	+ 6	+ 6	+ 5	+ 3	0	- 6	-11	-15	-15	-10	- 4	- 1	+ 2	+ 5	+ 6	+ 4	+ 5	+ 4	+ 1	+ 1	+ 2	5.2
FEB	I	+ 4	+ 4	+ 5	+ 6	+ 8	+ 6	+ 7	+ 6	- 1	- 7	- 9	-10	- 9	- 5	- 3	- 1	+ 1	0	- 4	- 2	0	+ 1	+ 1	+ 1	4.1
MAR[a]	II	+ 5	+ 4	+ 4	+ 6	+ 9	+ 8	+ 7	+ 7	+ 3	- 5	- 6	- 6	-11	-12	- 6	- 3	- 2	- 4	- 4	- 1	0	+ 2	+ 3	+ 2	5.0
APR[b]	II	+ 2	+ 4	+ 5	+ 8	+ 8	+ 9	+10	+ 9	+ 6	+ 1	- 5	-10	-11	-10	-11	-10	- 7	- 4	- 2	- 1	+ 1	+ 1	+ 4	+ 4	5.8
MAY	III	0	+ 3	+ 5	+ 6	+ 7	+ 8	+10	+14	+17	+16	+10	+ 1	- 6	-13	-16	-14	-11	- 7	- 6	- 6	- 8	- 6	- 4	- 1	8.3
JUN	III	- 4	- 1	+ 2	+ 3	+ 2	+ 4	+ 7	+11	+13	+14	+10	+ 3	- 4	-11	-12	-10	- 6	- 2	- 1	0	- 4	- 4	- 6	- 7	5.9
JUL	III	- 2	- 1	+ 2	+ 3	+ 4	+ 6	+ 6	+ 8	+12	+11	+ 8	+ 3	- 3	- 7	-11	-10	- 6	- 3	- 1	- 2	- 6	- 4	- 5	- 3	5.4
AUG	III	- 4	- 1	+ 1	+ 4	+ 4	+ 5	+ 8	+14	+18	+18	+14	+ 9	+ 1	- 7	-13	-15	-12	- 8	- 6	- 5	- 7	- 8	- 7	- 5	8.0
SEP	II	- 1	+ 5	+ 7	+ 5	+ 5	+ 6	+ 7	+ 9	+ 8	+ 7	+ 5	+ 1	- 6	-11	-12	- 9	- 7	- 4	- 1	- 2	- 2	- 3	- 2	- 3	5.4
OCT	II	+ 5	+ 4	+ 6	+ 9	+ 7	+ 6	+ 9	+ 8	+ 5	+ 1	- 5	- 8	-10	- 9	- 7	- 4	- 2	- 2	- 2	- 3	- 4	- 1	- 1	0	4.9
NOV	I	+ 5	+ 5	+ 7	+ 7	+ 8	+ 8	+ 9	+ 6	0	- 4	- 8	- 9	- 7	- 8	- 5	- 3	0	- 2	- 4	- 2	- 2	0	- 1	+ 1	4.7
DEC	I	0	+ 1	+ 2	+ 1	0	+ 2	+ 3	+ 2	+ 1	+ 3	+ 4	+ 4	+ 4	+ 1	- 1	- 2	- 4	- 6	- 6	- 3	- 3	- 3	- 2	+ 1	2.5
MEANS	I	+ 2.8	+ 3.3	+ 4.9	+ 5.1	+ 5.3	+ 5.4	+ 5.6	+ 3.3	- 1.4	- 4.7	- 7.0	- 7.4	- 5.4	- 4.0	- 2.5	- 1.0	+ 0.6	- 0.3	- 2.2	- 0.5	- 0.1	- 0.2	- 0.4	+ 1.3	3.1
	II	+ 2.7	+ 4.2	+ 5.5	+ 6.8	+ 7.3	+ 7.3	+ 8.3	+ 8.1	+ 5.5	+ 1.0	- 2.8	- 6.0	- 9.6	-10.6	- 8.9	- 6.4	- 4.2	- 3.3	- 2.4	- 1.7	- 1.5	- 0.2	+ 0.8	+ 0.7	4.8
	III	- 2.6	+ 0.1	+ 2.5	+ 3.9	+ 4.6	+ 5.9	+ 8.0	+11.7	+15.0	+14.7	+10.8	+ 4.0	- 3.0	- 9.2	-13.2	-12.1	- 8.6	- 5.0	- 3.6	- 3.3	- 6.0	- 5.8	- 5.5	- 4.1	6.8
	YEAR	+ 1.0	+ 2.5	+ 4.3	+ 5.2	+ 5.7	+ 6.2	+ 7.3	+ 7.7	+ 6.4	+ 3.7	+ 0.3	- 3.2	- 6.0	- 7.9	- 8.2	- 6.5	- 4.1	- 2.8	- 2.8	- 1.8	- 2.5	- 2.0	- 1.7	- 0.7	4.2

[a] Thirty days only--March 1-24, 26-31

[b] Twenty-nine days only--April 1-4, 6-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	+ 2	+ 4	+ 3	+ 3	+ 4	+ 4	+ 2	- 4	-10	-15	-15	-11	- 6	- 1	+ 3	+ 8	+ 7	+ 5	+ 4	+ 2	+ 2	+ 3	+ 3	5.1
FEB	I	+ 3	+ 4	+ 1	+ 2	+ 3	+ 4	+ 4	+ 3	- 3	- 6	-10	-12	-13	- 9	- 3	+ 1	+ 3	+ 4	+ 2	+ 3	+ 5	+ 6	+ 6	+ 5	4.8
MAR	II	- 2	0	+ 1	+ 2	+ 3	+ 1	+ 2	+ 2	0	0	+ 2	0	- 4	- 6	- 5	- 4	- 3	- 2	- 1	+ 2	+ 2	+ 3	+ 2	+ 4	2.2
APR	II	- 2	- 1	0	+ 1	+ 2	+ 4	+ 3	+ 4	+ 2	- 3	- 6	- 4	- 3	- 4	- 4	- 2	+ 1	+ 2	+ 3	+ 4	+ 3	0	0	+ 1	2.4
MAY	III	+ 1	+ 1	+ 3	+ 3	+ 4	+ 4	+ 6	+11	+14	+14	+ 8	+ 1	- 3	-10	-14	-16	-11	- 5	- 2	- 1	- 2	- 2	- 2	- 1	5.8
JUN	III	- 6	- 5	- 3	- 1	0	0	+ 2	+ 6	+10	+10	+ 7	+ 2	- 4	- 9	-12	- 9	- 3	+ 2	+ 3	+ 3	+ 1	+ 1	+ 2	+ 2	4.2
JUL	III	- 4	- 4	- 3	- 2	- 1	+ 2	+ 3	+ 6	+ 8	+10	+ 6	+ 2	- 1	- 5	- 8	- 9	- 6	0	+ 2	+ 2	+ 1	0	0	- 1	3.5
AUG	III	- 8	- 5	- 3	- 2	- 2	+ 1	+ 4	+10	+15	+19	+17	+12	+ 4	- 4	-12	-15	-12	- 6	- 1	- 1	- 1	- 2	- 4	- 4	6.8
SEP	II	- 8	- 5	0	0	0	+ 2	+ 3	+ 6	+ 6	+ 4	+ 3	0	- 5	- 7	- 6	- 5	- 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	0	3.1
OCT	II	- 2	+ 1	+ 1	+ 3	+ 4	+ 3	+ 6	+ 4	+ 1	- 3	- 8	-11	-10	- 8	- 4	+ 1	+ 3	+ 3	+ 3	+ 2	+ 2	+ 2	+ 3	+ 4	3.8
NOV	I	0	0	+ 2	+ 2	+ 1	+ 1	+ 2	+ 1	- 4	- 5	- 5	- 6	- 6	- 6	- 2	0	+ 1	+ 1	+ 4	+ 5	+ 3	+ 4	+ 4	+ 5	2.9
DEC	I	- 3	- 2	- 1	0	0	+ 2	+ 3	+ 1	+ 1	+ 2	+ 4	+ 3	+ 2	- 1	- 2	- 3	- 3	- 2	- 3	- 1	0	+ 2	+ 1	+ 1	1.8
MEANS	I	+ 0.4	+ 0.6	+ 1.6	+ 1.8	+ 1.8	+ 2.7	+ 3.1	+ 1.6	- 2.4	- 5.1	- 6.5	- 7.6	- 7.0	- 5.2	- 2.3	+ 0.2	+ 2.3	+ 2.6	+ 2.1	+ 2.6	+ 2.7	+ 3.4	+ 3.4	+ 3.6	3.0
	II	- 3.6	- 1.4	+ 0.4	+ 1.6	+ 2.2	+ 2.5	+ 3.6	+ 4.1	+ 2.4	- 0.4	- 2.3	- 3.7	- 5.8	- 6.0	- 4.7	- 2.6	- 0.2	+ 1.1	+ 1.8	+ 2.3	+ 2.2	+ 1.8	+ 1.8	+ 2.2	2.5
	III	- 4.0	- 3.1	- 1.3	- 0.4	+ 0.4	+ 1.7	+ 3.6	+ 8.1	+12.0	+12.3	+ 9.6	+ 4.2	- 1.1	- 6.9	-11.5	-12.3	- 7.8	- 2.0	+ 0.5	+ 0.5	- 0.4	- 0.8	- 1.1	- 0.8	4.5
	YEAR	- 2.4	- 1.3	+ 0.2	+ 1.0	+ 1.4	+ 2.3	+ 3.5	+ 4.6	+ 4.0	+ 2.6	+ 0.3	- 2.3	- 4.6	- 6.0	- 6.2	- 4.9	- 1.9	+ 0.6	+ 1.5	+ 1.8	+ 1.5	+ 1.5	+ 1.3	+ 1.6	2.5

TABLE 385--CONCLUDED

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 4	-11	-17	-19	-16	-11	- 5	+ 3	+ 6	+ 6	+ 4	+ 3	+ 2	+ 3	+ 4	+ 6	+ 4	+ 5	+ 6	+ 6	+ 6	+ 6	+ 7	+ 5	6.8
FEB	I	- 3	- 6	- 9	-13	-17	-10	- 2	+ 2	+ 2	+ 3	0	0	+ 1	+ 4	+ 4	+ 3	+ 3	+ 5	+ 3	+ 3	+ 4	+ 6	+ 8	+10	5.0
MAR	II	- 1	+ 2	+ 4	0	- 6	- 7	- 5	- 4	- 4	- 3	- 2	0	- 1	- 1	- 2	- 1	- 1	0	+ 1	+ 4	+ 6	+ 6	+ 7	+ 9	3.2
APR	II	- 6	-10	-10	- 2	0	- 1	0	+ 1	+ 2	+ 2	+ 2	+ 3	+ 2	+ 1	0	0	0	+ 1	+ 2	+ 2	+ 3	+ 4	+ 4	+ 2	2.5
MAY	III	+12	+10	+ 5	- 4	- 9	-15	-18	-18	- 9	- 1	+ 1	- 1	- 2	- 2	- 1	0	+ 2	+ 2	+ 4	+ 6	+ 6	+ 7	+10	+14	6.6
JUN	III	+10	+11	+ 6	- 2	- 9	-13	-15	-12	- 6	+ 1	+ 2	+ 1	0	- 1	0	0	0	0	0	+ 1	+ 3	+ 6	+ 6	+11	4.8
JUL	III	+ 8	+ 8	+ 7	+ 3	- 1	- 5	-10	-10	- 8	- 2	+ 1	0	- 2	- 2	- 2	- 2	- 2	- 1	0	+ 2	+ 3	+ 4	+ 6	+ 4	3.9
AUG	III	+12	+13	+10	+ 6	- 3	-14	-22	-23	-16	- 6	- 1	0	- 1	0	0	0	- 1	+ 2	+ 2	+ 3	+ 4	+ 8	+11	+16	7.2
SEP	II	+ 1	0	0	- 3	- 8	-10	-10	- 9	- 4	- 1	0	+ 1	0	- 1	0	- 1	0	+ 1	+ 3	+ 4	+ 6	+ 7	+10	+13	3.9
OCT	II	- 2	- 6	-11	-12	-11	- 8	- 5	0	0	+ 2	+ 2	+ 3	+ 3	+ 1	+ 2	+ 3	+ 3	+ 3	+ 4	+ 6	+ 5	+ 5	+ 6	+ 6	4.6
NOV	I	- 7	- 6	- 5	- 6	- 4	- 5	- 3	- 2	- 3	- 4	- 2	- 1	- 3	0	0	+ 1	+ 3	+ 4	+ 5	+ 6	+ 8	+ 9	+ 9	+ 4	4.1
DEC	I	- 3	- 2	+ 1	0	0	- 2	- 3	- 4	- 2	- 3	- 5	- 3	- 2	0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 1	+ 2	+ 3	+ 6	+ 7	2.5
MEANS	I	- 4.2	- 5.9	- 7.3	- 9.5	- 9.3	- 7.0	- 3.1	- 0.2	+ 1.0	+ 0.4	- 0.9	- 0.3	- 0.4	+ 1.5	+ 2.4	+ 2.9	+ 3.0	+ 3.8	+ 3.9	+ 4.1	+ 4.8	+ 6.2	+ 7.5	+ 6.4	4.0
	II	- 1.7	- 3.4	- 4.2	- 4.6	- 6.2	- 6.6	- 5.0	- 3.1	- 1.4	- 0.4	+ 0.5	+ 1.6	+ 1.0	+ 0.1	+ 0.2	+ 0.2	+ 0.4	+ 1.4	+ 2.4	+ 4.2	+ 4.9	+ 5.5	+ 6.8	+ 7.5	3.1
	III	+10.4	+10.6	+ 7.0	+ 0.7	- 5.6	-11.5	-16.0	-15.7	- 9.4	- 2.2	+ 0.5	- 0.2	- 1.3	- 1.3	- 0.8	- 0.3	- 0.2	+ 0.8	+ 1.6	+ 3.0	+ 4.2	+ 6.2	+ 8.3	+11.4	5.4
	YEAR	+ 1.5	+ 0.4	- 1.5	- 4.5	- 7.0	- 8.4	- 8.0	- 6.3	- 3.3	- 0.7	0.0	+ 0.4	- 0.2	+ 0.1	+ 0.6	+ 0.9	+ 1.1	+ 2.0	+ 2.6	+ 3.8	+ 4.6	+ 5.9	+ 7.5	+ 8.5	3.3

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 6	+ 2	- 6	- 7	- 4	+ 8	+11	+16	+13	+14	+10	+14	+13	+ 3	+ 2	+ 2	-10	- 2	- 3	-11	-11	-12	-17	-23	9.6
FEB	I	+11	+ 4	+ 3	- 4	- 4	- 1	0	- 4	- 2	- 5	-12	- 8	- 3	0	+ 2	- 2	+ 2	+ 8	+ 5	+ 5	+ 2	+ 1	0	+ 1	3.7
MAR[a]	II	+40	+ 5	+ 2	+ 6	-18	-12	+18	+32	+34	+22	+15	+20	+16	+26	+39	+29	+29	-35	-78	-59	-41	-32	-31	-28	27.9
APR	II	+ 2	- 2	-20	-44	-39	-27	-24	-21	-19	-11	- 9	- 1	+ 1	+ 2	+11	+14	+16	+20	+26	+32	+28	+23	+27	+17	18.2
MAY	III	+36	+32	+26	+11	- 7	-17	-19	-10	-16	-11	-27	-23	-26	-20	- 6	- 2	- 3	+ 4	+ 3	+14	+14	+17	+17	+17	15.8
JUN	III	+31	+33	+25	+ 9	+ 2	- 7	- 3	- 3	+ 2	0	- 7	0	-15	-13	-15	-24	-17	- 5	+ 2	+ 1	- 8	- 4	+ 6	+ 9	10.1
JUL	III	+19	+17	+19	+ 9	0	- 2	- 6	0	+ 2	- 1	- 7	- 5	-16	-14	-21	-10	- 8	- 4	+ 4	+ 4	+ 5	+ 5	+ 3	+ 6	7.8
AUG	III	+30	+31	+28	+21	+10	+ 1	- 6	- 8	- 8	-10	-17	-14	-20	-24	-23	-10	- 6	0	+ 1	+ 3	+ 7	+ 1	+ 3	+ 7	12.0
SEP	II	+14	+ 5	- 2	- 7	-17	-22	-26	-22	-16	- 7	+ 2	- 1	+ 3	+ 2	+ 4	+ 3	+ 6	+27	+23	+14	+ 4	+ 1	+ 4	+ 6	9.9
OCT	II	+13	+ 5	- 5	-11	-12	-11	- 9	- 3	- 3	- 2	- 4	- 3	- 8	- 7	- 1	- 5	+ 8	+ 6	+ 6	+20	+14	+ 9	+ 5	- 2	7.1
NOV	I	+ 8	+ 4	- 1	- 1	- 4	-14	-15	- 8	+ 5	- 1	- 5	- 5	- 2	0	- 9	- 2	+ 8	+ 9	+10	+ 7	+ 7	+ 4	+ 4	+ 3	5.7
DEC	I	+ 4	- 3	+ 2	+ 3	+ 1	- 4	+ 1	+ 2	+ 3	- 3	- 8	0	+ 2	+ 1	+ 1	+ 7	+ 2	0	0	- 3	- 7	- 3	0	+ 1	2.5
MEANS	I	+ 7.3	+ 1.9	- 0.6	- 2.2	- 3.0	- 2.6	- 0.7	+ 1.6	+ 4.6	+ 1.4	- 3.6	+ 0.4	+ 2.6	+ 0.9	- 1.2	+ 1.4	+ 0.5	+ 1.3	+ 3.0	- 0.5	- 2.1	- 2.5	- 3.0	- 4.3	2.2
	II	+17.5	+ 3.2	- 6.2	-13.9	-21.4	-18.4	-10.4	- 3.4	- 0.9	+ 0.7	+ 1.0	+ 3.8	+ 3.0	+ 5.8	+13.0	+10.3	+14.8	+ 4.7	- 5.8	+ 1.5	+ 1.3	+ 0.1	+ 1.2	- 1.8	6.8
	III	+29.0	+28.4	+24.3	+12.4	+ 1.1	- 6.2	- 8.5	- 5.2	- 5.2	- 5.5	-14.4	-10.4	-19.5	-17.6	-16.2	-11.5	- 8.4	- 1.3	+ 2.6	+ 5.6	+ 4.4	+ 4.8	+ 7.2	+10.0	10.8
	YEAR	+17.9	+11.2	+ 5.9	- 1.3	- 7.8	- 9.1	- 6.5	- 2.3	- 0.5	- 1.1	- 5.7	- 2.1	- 4.6	- 3.6	- 1.5	+ 0.1	+ 2.3	+ 1.6	- 0.1	+ 2.2	+ 1.2	+ 0.8	+ 1.8	+ 1.3	3.9

[a] Four days only--March 24, 29, 30 and 31

TABLE 386

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 7	- 7	- 6	- 5	- 7	-13	-22	-29	-31	-29	-16	0	+14	+24	+28	+28	+24	+21	+17	+13	+ 8	+ 2	- 1	- 7	15.0
FEB	I	- 5	- 3	- 2	- 2	0	- 5	-10	-21	-30	-35	-32	-16	+ 2	+18	+29	+32	+28	+21	+13	+10	+ 8	+ 4	- 1	- 3	13.8
MAR[a]	II	- 3	- 5	- 3	- 3	- 3	- 3	- 5	- 7	-18	-26	-22	-13	- 1	+13	+21	+25	+23	+17	+ 7	+ 5	+ 6	+ 2	- 3	- 3	9.9
APR[b]	II	- 2	- 3	- 4	0	- 2	- 1	- 4	-10	-20	-23	-20	- 8	+ 7	+18	+22	+22	+18	+10	+ 7	+ 4	+ 1	- 3	- 6	- 5	9.2
MAY	III	- 6	- 3	- 2	+ 2	+ 2	+ 2	+ 1	+ 1	- 6	-13	-15	-12	- 2	+ 7	+14	+20	+18	+ 9	+ 4	0	- 3	- 6	- 7	- 6	6.6
JUN	III	- 6	- 5	- 1	- 1	+ 2	+ 2	+ 4	+ 7	+ 2	- 5	-10	- 9	- 2	+ 4	+10	+16	+14	+ 5	+ 1	0	- 4	- 7	- 8	- 9	5.6
JUL	III	- 5	- 3	0	+ 3	+ 2	+ 2	+ 4	+ 6	0	- 8	-12	-10	- 5	+ 2	+ 8	+15	+14	+ 7	+ 4	+ 2	- 5	- 6	- 6	- 7	5.5
AUG	III	- 5	- 5	- 3	+ 1	+ 2	+ 4	+ 6	+ 5	- 4	-15	-21	-22	-16	- 5	+ 9	+19	+22	+15	+10	+ 7	+ 4	0	- 3	- 4	8.6
SEP	II	- 5	- 2	- 4	- 1	+ 2	+ 2	- 1	- 8	-18	-25	-27	-21	- 4	+14	+24	+27	+23	+15	+ 8	+ 6	+ 5	- 1	- 3	- 5	10.4
OCT	II	- 6	- 7	- 5	- 5	- 2	- 3	-10	-20	-31	-35	-29	-12	+ 8	+24	+34	+34	+26	+18	+12	+ 7	+ 5	+ 1	- 1	- 3	14.1
NOV	I	- 6	- 4	- 1	+ 1	- 2	- 7	-19	-32	-39	-40	-29	- 9	+12	+31	+40	+39	+31	+20	+12	+ 7	+ 4	0	- 4	- 5	16.3
DEC	I	- 2	- 4	- 2	- 1	- 2	- 9	-22	-32	-37	-35	-23	- 3	+12	+24	+31	+30	+25	+20	+13	+ 8	+ 5	+ 4	0	- 1	14.5
MEANS	I	- 5.0	- 4.3	- 2.9	- 1.9	- 2.8	- 8.4	-18.2	-28.6	-34.5	-34.9	-25.1	- 6.9	+10.2	+24.1	+32.2	+32.4	+27.0	+20.6	+13.9	+ 9.4	+ 6.6	+ 2.3	- 1.4	- 3.8	14.9
	II	- 4.0	- 4.4	- 4.0	- 2.2	- 1.3	- 1.4	- 5.0	-11.2	-21.9	-27.6	-24.3	-13.4	+ 2.5	+17.1	+25.2	+27.2	+22.6	+15.3	+ 8.5	+ 5.4	+ 4.0	- 0.3	- 3.3	- 4.0	10.7
	III	- 5.6	- 3.9	- 1.4	+ 1.1	+ 1.9	+ 2.4	+ 3.6	+ 4.5	- 1.8	-10.2	-14.3	-13.3	- 6.2	+ 1.8	+10.4	+17.4	+16.9	+ 9.1	+ 4.6	+ 2.2	- 1.9	- 4.6	- 6.0	- 6.4	6.3
	YEAR	- 4.8	- 4.2	- 2.8	- 1.0	- 0.7	- 2.5	- 6.5	-11.7	-19.4	-24.2	-21.2	-11.2	+ 2.2	+14.3	+22.6	+25.7	+22.2	+15.0	+ 9.0	+ 5.7	+ 2.9	- 0.9	- 3.6	- 4.7	10.0

[a] Thirty days only--March 1-24, 26-31 [b] Twenty-nine days only--April 1-4, 6-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 1	- 2	+ 1	- 2	- 4	-10	-22	-33	-37	-32	-18	- 1	+14	+25	+32	+29	+21	+14	+ 9	+ 8	+ 7	+ 4	0	- 3	13.7
FEB	I	0	+ 1	- 1	0	+ 1	- 3	-10	-22	-35	-43	-42	-27	- 5	+15	+29	+35	+31	+24	+16	+13	+10	+ 7	+ 4	+ 2	15.7
MAR	II	+ 1	- 1	+ 1	- 2	- 2	- 2	- 6	-14	-24	-30	-29	-21	- 7	+ 7	+19	+24	+23	+18	+12	+ 9	+ 9	+ 7	+ 5	+ 3	11.5
APR	II	- 1	- 1	- 1	0	- 1	- 2	- 5	-14	-25	-29	-24	- 9	+ 8	+20	+23	+21	+16	+10	+ 7	+ 5	+ 2	+ 1	- 1	0	9.4
MAY	III	- 2	0	0	+ 3	+ 1	+ 1	+ 1	+ 1	- 6	-15	-19	-16	- 8	+ 2	+12	+19	+17	+ 9	+ 4	+ 2	0	- 2	- 3	- 2	6.2
JUN	III	- 3	- 1	0	0	+ 1	+ 1	+ 2	+ 4	- 1	- 8	-12	-10	- 5	+ 2	+ 9	+12	+11	+ 4	+ 1	0	- 1	- 2	- 3	- 2	4.0
JUL	III	- 4	- 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 3	- 1	- 9	-12	-11	- 6	0	+ 7	+12	+11	+ 6	+ 2	0	0	- 2	- 2	- 3	4.3
AUG	III	- 3	- 2	0	+ 2	+ 3	+ 3	+ 4	+ 3	- 4	-15	-20	-21	-15	- 6	+ 7	+16	+20	+14	+ 8	+ 5	+ 4	+ 2	- 1	- 2	7.5
SEP	II	- 2	- 1	0	+ 1	+ 2	0	- 3	- 9	-21	-30	-31	-23	- 4	+15	+26	+27	+21	+12	+ 8	+ 6	+ 5	+ 2	+ 1	0	10.5
OCT	II	- 3	- 2	- 3	- 2	0	- 2	-11	-23	-34	-38	-32	-14	+ 8	+24	+32	+33	+24	+14	+ 9	+ 6	+ 6	+ 4	+ 3	+ 1	13.6
NOV	I	- 3	- 1	+ 2	+ 4	0	- 6	-17	-30	-39	-40	-31	-13	+ 9	+26	+34	+33	+25	+16	+11	+ 8	+ 6	+ 3	+ 2	+ 1	14.9
DEC	I	- 3	- 1	- 2	+ 2	+ 1	- 6	-18	-30	-36	-36	-27	- 8	+ 7	+18	+26	+27	+23	+19	+14	+11	+ 8	+ 6	+ 3	+ 2	13.9
MEANS	I	- 1.7	- 0.6	- 0.1	+ 0.9	- 0.4	- 6.2	-16.5	-28.8	-36.6	-37.7	-29.4	-12.2	+ 6.2	+21.0	+30.2	+30.9	+25.0	+18.4	+12.4	+10.0	+ 7.8	+ 4.8	+ 2.5	+ 0.6	14.2
	II	- 1.4	- 1.2	- 0.8	- 0.9	- 0.4	- 1.4	- 6.3	-15.0	-26.0	-31.7	-29.0	-16.6	+ 1.0	+16.3	+25.0	+26.0	+21.0	+13.6	+ 9.0	+ 6.8	+ 5.4	+ 3.6	+ 2.1	+ 1.0	10.9
	III	- 2.9	- 1.1	+ 0.4	+ 1.7	+ 1.8	+ 1.6	+ 2.4	+ 2.6	- 3.1	-11.6	-16.0	-14.7	- 8.6	- 0.2	+ 9.0	+15.0	+14.8	+ 8.4	+ 3.8	+ 2.0	+ 0.7	- 1.2	- 2.2	- 2.3	5.3
	YEAR	- 2.0	- 1.0	- 0.1	+ 0.6	+ 0.3	- 2.0	- 6.8	-13.8	-21.9	-27.0	-24.8	-14.5	- 0.4	+12.4	+21.4	+24.0	+20.3	+13.5	+ 8.4	+ 6.2	+ 4.6	+ 2.4	+ 0.8	- 0.2	9.6

TABLE 386--CONCLUDED

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-40	-35	-20	- 1	+16	+31	+36	+32	+20	+11	+ 6	+ 5	+ 6	+ 4	+ 1	- 2	- 2	- 2	- 2	- 1	- 4	-10	-19	-29	14.0
FEB	I	-35	-47	-46	-32	- 7	+17	+32	+39	+34	+26	+18	+14	+11	+ 7	+ 6	+ 3	+ 2	0	- 1	- 2	- 3	- 5	- 9	-21	17.3
MAR	II	-22	-27	-28	-23	-12	+ 5	+19	+24	+22	+15	+11	+ 9	+ 8	+ 6	+ 5	+ 3	+ 1	+ 1	+ 1	0	0	- 2	- 5	-12	11.0
APR	II	-29	-30	-22	- 6	+13	+25	+27	+23	+16	+10	+ 7	+ 5	+ 3	+ 2	+ 1	0	0	- 1	- 2	- 2	- 4	- 5	-10	-19	11.0
MAY	III	- 6	-15	-20	-18	- 9	+ 1	+11	+18	+16	+ 8	+ 4	+ 2	0	- 1	- 2	- 2	- 1	+ 1	+ 2	+ 2	+ 2	+ 3	+ 2	+ 1	6.1
JUN	III	0	- 8	-12	-12	- 7	+ 1	+ 9	+13	+12	+ 5	+ 1	0	- 1	- 2	- 2	- 2	0	0	0	0	0	+ 1	+ 1	+ 3	4.0
JUL	III	- 1	- 8	-12	-11	- 7	- 1	+ 5	+10	+11	+ 7	+ 2	+ 1	0	- 1	- 3	- 3	- 3	- 1	+ 1	+ 3	+ 2	+ 2	+ 2	+ 5	4.2
AUG	III	- 7	-19	-25	-25	-20	- 8	+ 7	+19	+23	+14	+ 8	+ 4	+ 4	+ 1	0	0	0	+ 1	+ 2	+ 4	+ 5	+ 4	+ 4	+ 4	8.7
SEP	II	-21	-31	-34	-26	- 8	+13	+25	+27	+21	+12	+ 8	+ 6	+ 5	+ 3	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 1	0	- 1	-10	10.9
OCT	II	-37	-42	-35	-16	+ 7	+25	+32	+33	+23	+14	+ 9	+ 8	+ 6	+ 4	+ 2	+ 2	+ 2	+ 1	+ 1	+ 1	0	- 3	-13	-25	14.3
NOV	I	-41	-42	-33	-14	+ 8	+27	+34	+30	+21	+14	+10	+ 8	+ 8	+ 5	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	0	- 5	-15	-28	14.8
DEC	I	-37	-34	-25	- 7	+ 7	+20	+28	+29	+23	+19	+12	+ 8	+ 8	+ 8	+ 6	+ 4	+ 3	+ 1	0	- 1	- 2	- 9	-24	-36	14.6
MEANS	I	-38.1	-39.4	-31.0	-13.7	+ 6.3	+23.6	+32.6	+32.3	+24.5	+17.4	+11.2	+ 8.9	+ 8.0	+ 5.9	+ 3.8	+ 1.7	+ 1.0	+ 0.4	0.0	- 0.6	- 2.2	- 7.0	-16.9	-28.6	14.8
	II	-27.5	-32.5	-29.6	-17.8	+ 0.1	+16.8	+25.8	+26.8	+20.6	+13.1	+28.6	+ 6.9	+ 5.6	+ 3.6	+ 2.5	+ 1.7	+ 1.0	+ 0.8	+ 0.5	+ 0.4	- 0.8	- 2.5	- 7.3	-16.6	11.2
	III	- 3.3	-12.5	-17.0	-16.6	-10.7	- 1.8	+ 8.1	+15.3	+15.6	+ 8.7	+ 3.7	+ 2.0	+ 0.7	+ 0.8	+ 2.0	+ 1.5	+ 0.9	0.0	+ 1.2	+ 2.1	+ 2.4	+ 2.3	+ 2.2	+ 3.0	5.6
	YEAR	-23.0	-28.1	-25.9	-16.0	- 1.4	+12.9	+22.2	+24.8	+20.2	+13.1	+ 7.8	+ 5.9	+ 4.7	+ 2.9	+ 1.4	+ 0.6	+ 0.4	+ 0.4	+ 0.6	+ 0.6	- 0.2	- 2.4	- 7.3	-14.1	9.9

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-23	-24	-14	+ 2	+19	+32	+40	+43	+40	+33	+30	+26	+19	+ 2	- 3	-22	-35	-25	-36	-24	- 8	-21	-24	-26	23.9
FEB	I	-17	-22	-24	-13	+ 1	+16	+30	+32	+31	+26	+19	+11	+ 8	0	- 9	-12	-10	- 2	- 2	- 5	- 8	-11	-16	-27	14.7
MAR[a]	II	+ 2	+24	0	0	+10	+26	+23	+30	+28	+18	-15	-11	+ 4	-13	-22	-15	-16	-15	-16	-22	-11	+16	- 3	+24	15.2
APR	II	- 9	-15	- 9	+ 3	+14	+20	+20	+19	+14	- 1	+ 2	- 2	- 3	- 9	-10	-10	- 5	- 7	-15	0	-10	+ 5	+ 4	+ 4	8.8
MAY	III	- 8	-14	- 9	-10	+ 2	+14	+17	+24	+26	+17	+ 9	- 2	- 8	-12	-10	-13	-14	-10	- 9	- 3	+ 3	+ 4	+ 3	+ 3	10.2
JUN	III	+14	+ 4	- 1	- 5	+ 5	+ 9	+13	+19	+23	+ 8	- 2	- 2	-14	-22	-18	-22	-18	-16	0	-12	+ 1	+ 8	+11	+17	11.1
JUL	III	- 2	- 9	-12	- 8	0	+ 8	+10	+16	+20	+10	+ 7	+ 8	-19	-16	-10	-14	-12	- 7	- 2	+ 3	+ 3	+ 5	+10	+10	9.1
AUG	III	- 9	-18	-22	-21	-13	- 2	+13	+23	+26	+17	+17	+13	+ 5	0	- 6	- 7	-11	-15	-10	- 2	- 4	+ 3	+12	+12	11.7
SEP	II	-16	-19	-15	-10	+ 2	+21	+25	+31	+26	+19	+ 5	+ 5	+ 2	- 8	-10	-10	-13	- 9	-17	- 4	+ 2	+ 3	0	- 8	11.7
OCT	II	-22	-21	-20	- 2	+16	+34	+40	+42	+35	+32	+24	+15	+10	+ 4	- 8	-15	-25	-28	-30	-24	-12	- 8	-14	-22	21.0
NOV	I	-28	-29	-20	- 2	+15	+36	+48	+47	+39	+24	+13	+ 6	+ 4	- 2	-24	-13	-17	-12	- 6	- 4	- 5	-14	-21	-32	19.3
DEC	I	-46	-42	-28	- 2	+20	+35	+44	+42	+35	+30	+20	+ 8	+ 5	+ 1	- 5	+ 1	- 6	-14	-12	- 6	- 2	-11	-27	-37	20.[illegible]
MEANS	I	-28.6	-29.3	-21.6	- 3.8	+13.5	+29.9	+40.6	+41.1	+36.2	+28.4	+20.5	+12.7	+ 9.1	+ 0.1	-10.3	-11.6	-16.7	-13.5	-14.4	- 9.7	- 5.6	-14.5	-21.9	-30.4	19.3
	II	-11.2	-19.7	-10.8	- 2.3	+10.6	+25.0	+27.0	+30.7	+25.6	+16.8	+ 4.1	+ 1.7	+ 3.3	- 6.4	-12.5	-12.6	-15.0	-14.8	-19.6	-12.7	- 8.0	+ 3.9	- 3.1	- 0.2	12.4
	III	- 1.3	- 9.4	-10.9	-10.8	- 1.6	+ 7.3	+13.3	+20.7	+23.5	+13.0	+ 7.6	+ 4.0	- 8.9	-12.3	-11.0	-13.9	-13.5	-12.2	- 5.0	- 3.8	+ 0.9	+ 4.8	+ 9.0	+10.4	9.5
	YEAR	-13.7	-19.5	-14.4	- 5.6	+ 7.5	+20.7	+27.0	+30.8	+28.4	+19.4	+10.8	+ 6.2	+ 1.2	- 6.2	-11.3	-12.7	-15.1	-13.5	-13.0	- 8.7	- 4.2	- 1.9	- 5.3	- 6.7	12.7

[a]Four days only--March 24, 29, 30, and 31

TABLE 387

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-11	- 7	- 3	- 1	- 1	- 6	-11	-13	-12	- 3	+11	+25	+30	+28	+20	+13	+ 6	0	- 5	- 7	-10	-15	-14	-13	11.1
FEB	I	-10	- 6	- 3	- 2	0	- 4	- 9	-16	-20	-14	0	+19	+34	+40	+35	+23	+ 8	- 4	-10	-11	-11	-13	-14	-13	13.3
MAR [a]	II	- 9	- 8	- 4	- 2	0	0	- 2	- 4	- 9	- 8	+ 5	+18	+27	+31	+28	+20	+ 7	- 4	-14	-15	-12	-14	-14	-13	11.4
APR [b]	II	- 5	- 4	- 2	+ 1	+ 1	+ 1	- 2	- 7	-10	- 5	+ 3	+12	+24	+25	+19	+10	+ 1	- 6	- 8	-10	-11	-12	-11	- 7	8.1
MAY	III	- 3	+ 1	+ 2	+ 4	+ 3	+ 3	+ 4	+ 3	- 1	- 4	- 2	+ 5	+12	+14	+13	+ 9	0	- 7	- 9	-11	-12	-11	- 9	- 5	6.1
JUN	III	- 4	- 1	+ 4	+ 2	+ 3	+ 4	+ 5	+ 8	+ 2	- 3	- 3	+ 2	+ 7	+ 9	+11	+ 9	+ 1	- 6	- 7	- 7	- 8	-10	- 9	- 8	5.5
JUL	III	- 4	- 1	+ 1	+ 3	+ 3	+ 2	+ 3	+ 4	- 1	- 5	- 4	+ 3	+ 8	+12	+12	+11	+ 4	- 4	- 5	- 6	-10	-10	- 8	- 6	5.5
AUG	III	- 7	- 4	0	+ 3	+ 3	+ 4	+ 5	+ 3	- 5	-10	- 9	- 2	+ 7	+16	+21	+19	+10	- 1	- 4	- 7	-10	-11	-12	- 9	7.6
SEP	II	- 8	- 2	- 1	+ 1	+ 2	+ 1	- 2	- 8	-13	-12	- 5	+ 9	+23	+32	+27	+18	+ 6	- 3	- 8	-10	-11	-13	-12	-11	10.0
OCT	II	- 8	- 6	- 3	- 1	+ 1	- 2	- 8	-14	-16	-10	+ 5	+23	+35	+37	+31	+18	+ 2	- 7	-11	-14	-14	-13	-12	-11	12.7
NOV	I	- 7	- 4	0	+ 1	- 2	- 6	-14	-19	-16	- 6	+12	+31	+41	+42	+33	+16	+ 1	-11	-15	-16	-16	-16	-16	-12	14.7
DEC	I	- 8	- 5	- 1	- 1	- 2	- 7	-13	-14	- 8	+ 2	+19	+31	+32	+29	+22	+10	- 2	- 9	-13	-14	-14	-14	-13	-10	12.2
MEANS	I	- 9.1	- 5.4	- 2.0	- 0.8	- 1.5	- 5.8	-11.8	-15.5	-13.8	- 5.4	+10.6	+26.4	+34.4	+34.7	+27.4	+15.5	+ 3.4	- 5.8	-10.8	-11.9	-12.8	-14.4	-14.2	-11.9	12.7
	II	- 7.5	- 5.2	- 2.6	- 0.3	+ 0.8	- 0.2	- 3.3	- 8.4	-12.2	- 8.8	+ 2.1	+15.4	+27.5	+31.4	+26.4	+16.4	+ 4.2	- 5.2	-10.2	-12.0	-12.0	-13.2	-12.4	-10.7	10.4
	III	- 4.4	- 1.4	+ 1.7	+ 3.0	+ 3.0	+ 3.1	+ 4.4	+ 4.5	- 1.2	- 5.4	- 4.4	+ 1.8	+ 8.4	+12.6	+14.4	+12.0	+ 3.9	- 4.4	- 6.6	- 7.8	-10.1	-10.6	- 9.4	- 7.0	6.1
	YEAR	- 7.0	- 4.0	- 1.0	+ 0.7	+ 0.8	- 1.0	- 3.6	- 6.4	- 9.0	- 6.5	+ 2.8	+14.6	+23.4	+26.2	+22.7	+14.6	+ 3.8	- 5.1	- 9.2	-10.6	-11.6	-12.7	-12.0	- 9.9	9.1

[a] Thirty days only--March 1-24, 26-31 [b] Twenty-nine days only--April 1-4, 6-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 6	- 5	- 1	- 2	- 3	- 8	-14	-20	-19	- 7	+10	+24	+30	+31	+25	+14	+ 5	- 3	- 7	- 7	- 8	-10	-10	-10	11.7
FEB	I	-11	- 8	- 7	- 4	- 4	- 5	-13	-21	-26	-22	- 7	+15	+33	+43	+41	+31	+16	+ 1	- 7	- 7	- 8	-10	-11	- 9	15.0
MAR	II	- 9	- 8	- 5	- 6	- 5	- 6	- 8	-12	-16	-12	+ 2	+14	+25	+28	+28	+21	+10	0	- 5	- 6	- 7	- 8	- 8	- 7	10.7
APR	II	- 5	- 3	- 2	- 2	- 3	- 4	- 8	-13	-15	- 9	+ 3	+11	+29	+30	+22	+13	+ 5	- 1	- 4	- 7	-10	-10	- 9	- 7	9.4
MAY	III	0	0	+ 1	+ 1	0	- 1	0	0	- 4	- 7	- 6	+ 2	+11	+15	+16	+11	+ 1	- 6	- 6	- 7	- 8	- 7	- 6	- 3	5.0
JUN	III	- 4	- 2	0	0	0	0	+ 1	+ 4	- 1	- 5	- 5	+ 2	+ 6	+10	+11	+ 9	+ 2	- 2	- 4	- 5	- 5	- 5	- 3	- 3	3.7
JUL	III	- 4	- 2	0	0	0	0	0	+ 1	- 5	- 8	- 6	+ 2	+ 8	+13	+15	+12	+ 4	- 2	- 4	- 5	- 6	- 6	- 5	- 4	4.6
AUG	III	- 6	- 3	0	+ 1	+ 1	+ 1	+ 2	0	- 6	-11	-10	- 3	+ 7	+14	+19	+18	+10	+ 1	- 3	- 4	- 5	- 7	- 8	- 7	6.1
SEP	II	- 8	- 5	- 2	- 2	- 2	- 3	- 6	-11	-16	-14	- 6	+ 9	+25	+33	+30	+18	+ 6	- 2	- 5	- 6	- 7	- 8	- 7	- 7	10.0
OCT	II	- 9	- 5	- 5	- 4	- 2	- 6	-13	-20	-20	-13	+ 4	+26	+39	+38	+31	+18	+ 2	- 8	-10	-10	-10	- 8	- 7	- 7	13.1
NOV	I	- 7	- 4	- 2	- 1	- 5	-10	-17	-22	-19	- 8	+ 9	+26	+37	+38	+30	+15	0	- 7	- 8	- 8	-10	-11	- 9	- 7	12.9
DEC	I	-10	- 6	- 4	- 1	- 2	- 8	-14	-17	-11	- 1	+15	+26	+29	+28	+21	+11	+ 1	- 4	- 7	- 8	- 9	- 9	-10	- 9	10.8
MEANS	I	- 8.8	- 5.8	- 3.6	- 2.0	- 3.4	- 7.6	-14.4	-19.6	-18.6	- 9.4	+ 6.9	+22.7	+32.4	+34.8	+29.2	+17.8	+ 5.6	- 3.2	- 7.2	- 7.6	- 8.7	- 9.9	- 9.9	- 8.9	12.4
	II	- 7.7	- 5.5	- 3.8	- 3.5	- 3.0	- 4.8	- 8.7	-14.0	-16.8	-12.0	+ 0.6	+15.2	+29.4	+32.4	+27.7	+17.4	+ 5.7	- 2.7	- 5.9	- 7.3	- 8.3	- 8.8	- 8.1	- 7.0	10.7
	III	- 3.6	- 1.5	+ 0.3	+ 0.5	+ 0.3	- 0.2	+ 1.0	+ 1.1	- 4.2	- 7.6	- 6.6	+ 0.7	+ 8.1	+12.7	+15.5	+12.4	+ 4.5	- 2.2	- 4.0	- 5.1	- 6.0	- 6.1	- 5.4	- 4.2	4.7
	YEAR	- 6.7	- 4.2	- 2.4	- 1.6	- 2.0	- 4.2	- 7.4	-10.9	-13.2	- 9.7	+ 0.3	+12.9	+23.3	+26.6	+24.1	+15.9	+ 5.2	- 2.7	- 5.7	- 6.6	- 7.7	- 8.3	- 7.8	- 6.7	9.0

TABLE 387--CONCLUDED

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-20	-11	+ 5	+19	+30	+33	+26	+13	+ 2	- 5	- 8	- 7	- 7	- 8	- 8	- 7	- 6	- 3	- 1	0	- 1	- 6	-13	-18	10.8
FEB	I	-28	-26	-11	+12	+34	+45	+42	+33	+16	+ 2	- 6	- 7	- 9	- 9	- 9	- 9	-10	- 8	- 8	- 6	- 6	- 5	-10	-20	15.5
MAR	II	-16	-12	- 1	+ 8	+22	+29	+31	+23	+10	0	- 6	- 6	- 8	- 9	- 9	- 8	- 8	- 6	- 4	- 4	- 4	- 5	- 8	-13	10.4
APR	II	-16	- 9	+ 5	+ 8	+34	+34	+24	+14	+ 4	- 2	- 6	- 8	-10	-10	-10	- 8	- 6	- 4	- 3	- 2	- 2	- 4	- 8	-16	10.3
MAY	III	- 5	- 8	- 8	0	+10	+13	+16	+10	+ 1	- 4	- 5	- 6	- 7	- 6	- 4	- 2	0	+ 1	+ 2	0	0	0	+ 1	+ 1	4.7
JUN	III	- 1	- 6	- 7	- 1	+ 4	+ 7	+11	+10	+ 2	- 2	- 4	- 6	- 7	- 6	- 3	- 3	0	+ 1	+ 1	+ 1	+ 1	+ 1	+ 2	+ 5	3.8
JUL	III	- 4	- 7	- 4	+ 3	+ 7	+11	+14	+12	+ 4	- 3	- 4	- 6	- 6	- 6	- 6	- 3	- 3	- 1	0	+ 2	0	- 1	0	+ 2	4.6
AUG	III	-12	-15	-14	- 5	+ 6	+14	+20	+20	+12	0	- 4	- 5	- 6	- 6	- 5	- 3	- 2	0	+ 1	+ 1	+ 1	+ 1	+ 2	- 1	6.4
SEP	II	-15	-14	- 9	+ 4	+21	+30	+27	+17	+ 8	0	- 4	- 6	- 7	- 8	- 7	- 6	- 5	- 4	- 3	- 1	- 2	- 2	- 4	-12	9.0
OCT	II	-24	-15	+ 1	+23	+37	+39	+31	+18	+ 2	- 6	- 8	- 7	- 8	- 9	- 7	- 6	- 5	- 4	- 3	- 3	- 4	- 8	-15	-20	12.6
NOV	I	-21	- 8	+ 8	+26	+40	+41	+31	+12	- 2	- 8	- 8	- 8	- 8	- 9	- 9	- 7	- 6	- 4	- 3	- 3	- 4	- 8	-18	-24	13.2
DEC	I	-10	+ 2	+17	+27	+29	+30	+24	+14	+ 2	- 6	-10	-10	- 9	- 7	- 8	- 8	- 7	- 7	- 6	- 6	- 6	-11	-16	-19	12.1
MEANS	I	-19.9	-10.8	+ 4.9	+21.1	+33.6	+37.3	+30.9	+18.2	+ 4.6	- 4.2	- 8.0	- 8.1	- 8.2	- 8.4	- 8.5	- 7.8	- 7.2	- 5.7	- 4.4	- 4.0	- 4.1	- 7.4	-14.1	-20.1	12.6
	II	-17.6	-12.7	- 0.9	+11.0	+28.6	+33.0	+28.3	+18.0	+ 6.0	- 2.1	- 5.5	- 6.8	- 8.2	- 9.0	- 8.2	- 7.0	- 5.8	- 4.4	- 3.2	- 2.6	- 2.9	- 4.7	- 8.7	-15.1	10.4
	III	- 5.4	- 9.0	- 8.3	- 0.8	+ 6.6	+11.4	+15.2	+12.7	+ 4.7	- 2.2	- 4.3	- 5.6	- 6.4	- 5.9	- 4.5	- 2.8	- 1.2	+ 0.1	+ 1.0	+ 1.0	+ 0.6	+ 0.4	+ 1.2	+ 1.6	4.7
	YEAR	-14.3	-10.8	- 1.4	+10.4	+22.9	+27.3	+24.8	+16.3	+ 5.1	- 2.8	- 5.9	- 6.8	- 7.6	- 7.8	- 7.1	- 5.9	- 4.7	- 3.3	- 2.2	- 1.8	- 2.1	- 3.9	- 7.2	-11.2	8.9

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 8	- 4	+ 9	+26	+39	+41	+33	+26	+13	+ 3	- 3	- 7	-12	-26	-26	-28	-38	-20	-14	- 4	+ 8	- 2	- 4	- 4	16.6
FEB	I	- 3	- 3	+ 3	+17	+31	+36	+32	+18	+ 4	- 7	-12	-12	-13	-16	-19	-18	-11	0	- 1	0	- 2	- 4	- 8	-13	11.8
MAR[a]	II	+14	- 2	+23	+31	+31	+36	+29	+20	+ 6	-16	-44	-49	-30	-39	-32	-30	-22	-24	+ 3	+ 4	+18	+33	+14	+26	24.0
APR	II	- 3	0	+ 6	+10	+16	+18	+ 8	0	-10	-20	-15	-15	-13	-16	-11	- 8	- 2	- 1	- 2	+10	+ 7	+15	+15	+ 7	9.5
MAY	III	+ 4	0	+ 4	+ 7	+12	+16	+12	+11	0	-12	-18	-24	-26	-22	-12	- 9	- 6	0	+ 6	+10	+12	+13	+11	+ 9	10.7
JUN	III	+13	+ 5	+ 6	+ 4	+10	+ 7	+10	+ 9	+ 4	- 9	-17	-12	-17	-23	-18	-19	-13	- 5	+13	+ 1	+ 8	+12	+15	+16	11.1
JUL	III	+ 3	0	+ 1	+ 6	+10	+14	+12	+12	+ 7	- 7	- 8	- 6	-18	-19	-15	-11	- 7	- 3	+ 3	+ 5	+ 4	+ 4	+ 6	+ 7	8.0
AUG	III	- 3	- 7	- 4	+ 4	+14	+24	+28	+21	+11	- 3	- 7	-11	-18	-22	-24	-14	-15	- 9	- 3	+ 5	+ 5	+ 7	+12	+10	11.7
SEP	II	- 8	- 5	+ 5	+14	+22	+29	+21	+13	+ 2	- 7	-13	-14	-13	-18	-16	-12	-11	0	- 1	+ 5	+ 6	+ 3	+ 1	- 5	10.2
OCT	II	- 4	+ 3	+10	+22	+31	+34	+28	+17	+ 2	- 5	-12	-15	-20	-20	-22	-23	-19	-16	-12	+ 2	+10	+ 9	+ 2	- 2	14.1
NOV	I	- 5	+ 4	+18	+35	+44	+46	+36	+18	+ 3	-17	-23	-23	-21	-22	-35	-18	-10	- 3	+ 2	+ 2	- 1	- 9	-12	-13	17.5
DEC	I	- 8	+ 3	+24	+37	+38	+35	+30	+16	- 1	- 8	-17	-22	-20	-20	-19	-12	-14	-10	- 3	0	0	- 5	-12	-12	15.3
MEANS	I	- 6.3	+ 0.1	+13.6	+29.0	+38.1	+39.4	+32.8	+19.6	+ 5.0	- 7.0	-13.7	-16.2	-16.4	-21.2	-24.5	-18.9	-18.4	- 8.1	- 3.8	- 0.4	+ 1.4	- 4.7	- 9.0	-10.4	14.9
	II	- 0.5	- 1.2	+11.2	+19.6	+24.8	+29.2	+21.5	+12.7	0.0	-11.8	-21.0	-23.2	-18.9	-23.0	-20.2	-18.4	-13.3	-10.3	- 3.0	+ 5.6	+10.4	+15.1	+ 7.8	+ 6.6	13.7
	III	+ 4.2	- 0.2	+ 1.8	+ 5.3	+11.6	+15.4	+15.4	+13.3	+ 5.5	+ 7.6	-12.8	-13.5	-19.8	-21.6	-17.2	-13.4	-10.2	- 4.4	+ 4.8	+ 5.1	+ 7.0	+ 9.0	+11.1	+10.6	10.0
	YEAR	- 0.9	- 0.4	+ 8.9	+18.0	+24.8	+28.0	+23.2	+15.2	+ 3.5	- 8.8	-15.8	-17.6	-18.4	-22.0	-20.6	-16.9	-13.9	- 7.6	- 0.7	+ 3.4	+ 6.3	+ 6.5	+ 3.3	+ 2.3	12.0

[a] Four days only--March 24,29,30 and 31

TABLE 388

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+11	+ 8	+ 5	+ 4	+ 4	+ 8	+12	+12	+ 9	- 1	-16	-29	-31	-28	-20	-11	- 4	+ 2	+ 5	+ 9	+11	+14	+13	+13	11.7
FEB	I	+11	+ 7	+ 5	+ 4	+ 4	+ 6	+12	+17	+18	+11	- 3	-21	-35	-38	-33	-22	- 8	+ 3	+ 7	+ 9	+10	+12	+13	+12	13.4
MAR[a]	II	+11	+10	+ 5	+ 4	+ 4	+ 4	+ 5	+ 7	+10	+ 6	- 6	-18	-29	-34	-29	-20	- 8	+ 2	+10	+13	+11	+14	+14	+13	12.0
APR[b]	II	+ 5	+ 5	+ 4	+ 2	+ 3	+ 3	+ 6	+10	+12	+ 6	- 5	-15	-27	-28	-22	-14	- 4	+ 3	+ 6	+ 8	+10	+11	+11	+ 8	9.6
MAY	III	+ 3	+ 1	0	0	0	+ 1	+ 1	+ 3	+ 8	+11	+ 6	- 4	-13	-18	-19	-15	- 6	+ 3	+ 5	+ 7	+ 8	+ 7	+ 6	+ 4	6.2
JUN	III	+ 2	+ 1	- 2	0	- 2	- 2	- 2	- 2	+ 4	+ 8	+ 7	- 1	- 8	-13	-15	-13	- 4	+ 4	+ 6	+ 6	+ 6	+ 7	+ 6	+ 4	5.3
JUL	III	+ 2	+ 1	0	- 2	0	+ 1	0	0	+ 6	+ 9	+ 8	- 1	- 8	-13	-16	-15	- 6	+ 2	+ 4	+ 5	+ 7	+ 7	+ 6	+ 4	5.2
AUG	III	+ 5	+ 3	+ 1	- 2	- 1	- 1	- 1	+ 3	+12	+17	+15	+ 6	- 6	-17	-25	-24	-15	- 3	+ 2	+ 4	+ 6	+ 7	+ 7	+ 6	7.8
SEP	II	+ 7	+ 4	+ 4	+ 2	0	+ 1	+ 5	+11	+16	+14	+ 7	- 7	-24	-34	-30	-21	- 9	+ 1	+ 6	+ 8	+ 9	+11	+10	+ 9	10.4
OCT	II	+10	+ 8	+ 5	+ 5	+ 2	+ 5	+11	+17	+18	+10	- 6	-24	-36	-38	-32	-18	- 4	+ 5	+ 9	+11	+11	+12	+11	+10	13.2
NOV	I	+ 9	+ 6	+ 3	+ 3	+ 5	+ 9	+17	+21	+16	+ 5	-14	-32	-41	-42	-33	-16	- 1	+ 8	+12	+13	+13	+14	+14	+12	14.9
DEC	I	+ 7	+ 5	+ 2	+ 1	+ 2	+ 8	+13	+14	+ 8	0	-14	-26	-28	-26	-21	-11	- 1	+ 5	+ 9	+11	+11	+11	+11	+ 9	10.6
MEANS	I	+ 9.6	+ 6.3	+ 4.0	+ 3.0	+ 3.7	+ 7.8	+13.5	+16.0	+12.7	+ 3.7	-12.0	-26.8	-33.6	-33.6	-26.6	-15.2	- 3.5	+ 4.6	+ 8.4	+10.3	+11.3	+12.8	+12.7	+11.4	12.6
	II	+ 8.0	+ 6.6	+ 4.8	+ 3.2	+ 2.4	+ 3.3	+ 6.6	+11.3	+13.8	+ 9.0	- 2.5	-16.1	-29.0	-33.3	-28.2	-18.2	- 6.2	+ 2.9	+ 8.0	+10.0	+10.1	+11.9	+11.6	+10.1	11.1
	III	+ 3.0	+ 1.4	- 0.4	- 1.0	- 0.8	- 0.3	- 0.6	+ 0.8	+ 7.6	+11.4	+ 9.0	+ 0.4	- 8.7	-15.4	-18.9	-16.5	- 7.6	+ 1.6	+ 4.3	+ 5.6	+ 6.6	+ 7.2	+ 6.3	+ 4.7	5.8
	YEAR	+ 6.9	+ 4.8	+ 2.8	+ 1.7	+ 1.8	+ 3.6	+ 6.5	+ 9.4	+11.4	+ 8.0	- 1.8	-14.2	-23.8	-27.4	-24.6	-16.6	- 5.8	+ 3.0	+ 6.9	+ 8.6	+ 9.3	+10.6	+10.2	+ 8.7	9.5

[a] Thirty days only--March 1-24, 26-31 [b] Twenty-nine days only--April 1-4, 6-30

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 6	+ 5	+ 3	+ 3	+ 4	+ 9	+16	+19	+16	+ 3	-15	-28	-32	-31	-24	-12	- 1	+ 5	+ 8	+ 8	+ 8	+10	+10	+10	12.0
FEB	I	+11	+ 8	+ 7	+ 5	+ 5	+ 6	+13	+20	+23	+18	+ 3	-18	-36	-43	-39	-28	-14	0	+ 6	+ 8	+ 9	+11	+12	+11	14.8
MAR	II	+ 7	+ 7	+ 5	+ 6	+ 6	+ 6	+ 8	+13	+15	+12	0	-13	-24	-28	-28	-21	-11	- 2	+ 4	+ 6	+ 7	+ 8	+ 8	+ 8	10.5
APR	II	+ 4	+ 3	+ 2	+ 2	+ 4	+ 5	+ 9	+14	+15	+ 7	- 4	-11	-28	-29	-22	-13	- 4	+ 2	+ 5	+ 7	+10	+ 9	+ 8	+ 6	9.4
MAY	III	+ 1	0	0	0	+ 2	+ 2	+ 2	+ 4	+10	+13	+ 9	- 1	-11	-18	-21	-17	- 6	+ 3	+ 4	+ 5	+ 6	+ 5	+ 4	+ 2	6.2
JUN	III	+ 1	0	- 1	0	0	0	0	- 1	+ 6	+ 9	+ 8	- 1	- 8	-12	-16	-12	- 3	+ 3	+ 5	+ 5	+ 5	+ 5	+ 4	+ 4	4.5
JUL	III	+ 2	0	- 1	- 1	- 1	+ 1	+ 1	+ 2	+ 8	+11	+ 8	0	- 8	-14	-17	-15	- 7	+ 2	+ 4	+ 5	+ 5	+ 5	+ 4	+ 4	5.3
AUG	III	+ 2	+ 1	- 1	- 2	- 2	0	0	+ 5	+12	+18	+17	+ 8	- 4	-14	-22	-23	-15	- 4	+ 2	+ 3	+ 4	+ 5	+ 5	+ 4	7.3
SEP	II	+ 4	+ 3	+ 2	+ 2	+ 2	+ 4	+ 7	+12	+18	+16	+ 8	- 8	-25	-33	-30	-19	- 6	+ 2	+ 5	+ 6	+ 7	+ 8	+ 7	+ 6	10.0
OCT	II	+ 7	+ 5	+ 5	+ 5	+ 4	+ 7	+14	+20	+19	+11	- 7	-28	-39	-38	-30	-16	- 1	+ 8	+10	+10	+10	+ 8	+ 8	+ 8	13.3
NOV	I	+ 7	+ 4	+ 2	+ 1	+ 4	+ 9	+16	+20	+16	+ 6	-10	-26	-36	-37	-29	-14	0	+ 7	+ 9	+ 9	+10	+11	+10	+ 8	12.7
DEC	I	+ 8	+ 4	+ 3	0	+ 2	+ 8	+14	+16	+11	+ 2	-11	-22	-25	-26	-21	-12	- 3	+ 3	+ 5	+ 6	+ 8	+ 9	+ 9	+ 9	9.9
MEANS	I	+ 8.2	+ 5.5	+ 3.9	+ 2.5	+ 3.8	+ 8.2	+14.8	+19.2	+16.6	+ 7.2	- 8.4	-23.4	-32.3	-34.2	-28.0	-16.8	- 4.6	+ 3.6	+ 7.1	+ 7.8	+ 8.8	+10.3	+10.3	+ 9.5	12.3
	II	+ 5.4	+ 4.4	+ 3.7	+ 3.8	+ 3.7	+ 5.4	+ 9.5	+14.8	+16.8	+11.4	- 0.8	-14.9	-29.0	-32.2	-27.6	-17.4	- 5.7	+ 2.6	+ 5.9	+ 7.4	+ 8.3	+ 8.6	+ 8.0	+ 7.2	10.6
	III	+ 1.6	0.0	- 0.8	- 0.7	- 0.1	+ 0.9	+ 0.6	+ 2.4	+ 9.0	+12.9	+10.6	+ 1.5	- 7.6	-14.4	-19.2	-16.9	- 7.8	+ 0.9	+ 3.8	+ 4.7	+ 5.2	+ 5.2	+ 4.4	+ 3.4	5.6
	YEAR	+ 5.1	+ 3.3	+ 2.2	+ 1.9	+ 2.4	+ 4.8	+ 8.3	+12.1	+14.2	+10.5	+ 0.4	-12.3	-23.0	-26.9	-24.9	-17.0	- 6.0	+ 2.4	+ 5.6	+ 6.6	+ 7.5	+ 8.0	+ 7.6	+ 6.7	9.2

TABLE 388--CONCLUDED

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1940

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+18	+ 6	-11	-25	-35	-36	-26	-12	0	+ 6	+ 9	+ 8	+ 7	+ 8	+ 9	+ 9	+ 7	+ 5	+ 3	+ 3	+ 3	+ 8	+15	+19	12.1
FEB	I	+25	+22	+ 7	-16	-38	-45	-40	-30	-15	- 2	+ 4	+ 6	+ 8	+10	+10	+ 9	+10	+ 9	+ 8	+ 7	+ 7	+ 8	+13	+23	15.4
MAR	II	+14	+12	+ 3	- 7	-22	-30	-31	-23	-12	- 2	+ 4	+ 5	+ 6	+ 8	+ 7	+ 7	+ 6	+ 6	+ 4	+ 5	+ 6	+ 7	+10	+16	10.5
APR	II	+13	+ 5	- 8	- 8	-32	-32	-22	-12	- 3	+ 2	+ 6	+ 8	+10	+10	+ 8	+ 7	+ 5	+ 4	+ 3	+ 3	+ 3	+ 5	+ 9	+15	9.8
MAY	III	+10	+12	+10	- 1	-12	-18	-22	-17	- 5	+ 4	+ 5	+ 5	+ 5	+ 5	+ 4	+ 2	+ 1	0	0	+ 2	+ 2	+ 2	+ 3	+ 5	6.4
JUN	III	+ 5	+10	+ 9	0	- 7	-12	-17	-14	- 5	+ 2	+ 5	+ 6	+ 6	+ 5	+ 3	+ 2	0	0	- 1	0	0	+ 1	+ 1	0	4.6
JUL	III	+ 7	+10	+ 7	- 1	- 7	-12	-17	-16	- 7	+ 1	+ 4	+ 5	+ 5	+ 5	+ 4	+ 2	+ 2	0	- 1	- 1	+ 1	+ 3	+ 3	0	5.1
AUG	III	+16	+20	+18	+ 7	- 6	-18	-27	-28	-18	- 4	+ 2	+ 4	+ 5	+ 5	+ 4	+ 3	+ 2	+ 1	0	0	0	+ 2	+ 3	+ 8	8.4
SEP	II	+14	+14	+ 9	- 5	-22	-31	-29	-20	- 9	0	+ 3	+ 5	+ 6	+ 6	+ 7	+ 5	+ 4	+ 4	+ 4	+ 3	+ 4	+ 5	+ 8	+16	9.8
OCT	II	+21	+12	- 5	-26	-38	-40	-31	-17	- 2	+ 6	+ 8	+ 7	+ 9	+ 8	+ 7	+ 7	+ 6	+ 5	+ 4	+ 5	+ 6	+ 9	+16	+21	13.2
NOV	I	+17	+ 6	- 9	-26	-38	-40	-30	-13	0	+ 6	+ 7	+ 6	+ 6	+ 8	+ 8	+ 7	+ 6	+ 6	+ 5	+ 5	+ 7	+11	+20	+24	12.9
DEC	I	+ 8	- 1	-14	-24	-27	-28	-24	-15	- 3	+ 4	+ 6	+ 8	+ 7	+ 6	+ 7	+ 8	+ 7	+ 7	+ 6	+ 6	+ 6	+11	+17	+21	11.4
MEANS	I	+17.0	+ 8.2	- 6.8	-22.8	-34.4	-37.3	-30.0	-17.4	- 4.4	+ 3.5	+ 6.5	+ 6.9	+ 7.0	+ 8.1	+ 8.6	+ 8.2	+ 7.7	+ 6.8	+ 5.6	+ 5.4	+ 5.8	+ 9.5	+16.4	+21.6	12.7
	II	+15.8	+10.8	- 0.3	-11.5	-28.5	-33.0	-28.0	-18.2	- 6.6	+ 1.4	+ 5.0	+ 6.6	+ 7.7	+ 8.1	+ 7.4	+ 6.4	+ 5.4	+ 4.5	+ 3.9	+ 4.2	+ 4.8	+ 6.6	+10.9	+17.3	10.6
	III	+ 9.4	+13.0	+10.9	+ 1.4	- 8.1	-15.2	-20.8	-18.6	- 8.7	+ 0.8	+ 4.0	+ 4.9	+ 5.2	+ 4.8	+ 3.8	+ 2.4	+ 1.0	+ 0.3	- 0.3	+ 0.3	+ 1.1	+ 2.2	+ 2.4	+ 3.4	6.0
	YEAR	+14.1	+10.7	+ 1.3	-11.0	-23.7	-28.5	-26.4	-18.1	- 6.6	+ 1.9	+ 5.2	+ 6.1	+ 6.7	+ 7.0	+ 6.6	+ 5.7	+ 4.7	+ 3.9	+ 3.1	+ 3.3	+ 3.9	+ 6.1	+ 9.9	+14.1	9.5

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+11	+ 5	-11	-27	-37	-34	-26	-17	- 7	+ 2	+ 6	+12	+16	+25	+24	+27	+31	+13	+12	- 1	-12	- 3	- 3	- 5	15.3
FEB	I	+ 8	+ 5	- 1	-17	-30	-33	-30	-18	- 6	+ 3	+ 5	+ 8	+10	+15	+18	+16	+11	+ 4	+ 2	+ 2	+ 3	+ 4	+ 8	+13	15.4
MAR[a]	II	+ 5	+ 5	-20	-25	-36	-39	-19	- 5	+ 9	+24	+46	+53	+34	+47	+46	+40	+32	+ 8	-36	-29	-34	-44	-26	-36	29.0
APR	II	+ 4	0	-14	-28	-32	-28	-18	-10	0	+13	+ 9	+13	+13	+15	+15	+14	+ 9	+10	+14	+ 4	+ 6	- 4	- 2	+ 1	11.5
MAY	III	+12	+14	+ 8	- 2	-14	-22	-19	-15	- 8	+ 5	+ 5	+12	+12	+12	+ 8	+ 7	+ 4	+ 2	- 4	- 3	- 5	- 4	- 3	- 1	8.4
JUN	III	+ 1	+ 9	+ 6	+ 1	- 8	-10	-11	-10	- 3	+ 8	+12	+11	+ 9	+16	+10	+ 8	+ 5	+ 3	-11	0	-10	-13	-12	-11	8.3
JUL	III	+ 6	+ 7	+ 7	- 2	- 9	-14	-14	-11	- 6	+ 5	+ 4	+ 3	+10	+12	+ 5	+ 6	+ 3	+ 1	- 1	- 3	- 1	- 2	- 5	- 4	5.9
AUG	III	+16	+20	+16	+ 6	- 8	-21	-28	-23	-14	- 2	- 1	+ 4	+ 8	+10	+12	+ 9	+11	+ 9	+ 4	- 3	- 1	- 6	- 9	- 6	10.2
SEP	II	+14	+ 7	- 5	-16	-27	-36	-31	-22	- 9	+ 2	+13	+12	+13	+17	+16	+13	+13	+11	+11	+ 1	- 4	- 2	+ 1	+ 7	12.6
OCT	II	+10	0	-10	-25	-33	-36	-30	-17	- 4	+ 3	+ 9	+12	+14	+15	+19	+19	+22	+18	+15	+ 7	- 2	- 4	+ 1	+ 1	13.6
NOV	I	+ 9	- 1	-16	-32	-42	-48	-40	-21	- 2	+14	+18	+19	+18	+20	+28	+16	+13	+ 7	+ 3	+ 1	+ 4	+10	+13	+14	17.0
DEC	I	+10	- 3	-20	-32	-35	-34	-28	-15	+ 1	+ 5	+11	+20	+19	+19	+18	+14	+14	+ 9	+ 3	- 1	- 3	+ 3	+12	+12	14.2
MEANS	I	+ 9.6	+ 1.5	-12.0	-27.0	-35.9	-37.4	-30.8	-17.9	- 3.4	+ 6.3	+10.3	+14.4	+15.6	+19.6	+21.8	+18.0	+17.2	+ 8.2	+ 5.0	+ 0.4	- 2.0	+ 3.5	+ 7.4	+ 8.3	13.9
	II	+ 8.2	+ 3.0	-12.4	-23.6	-31.9	-34.9	-24.6	-13.6	- 0.9	+10.4	+19.3	+22.4	+18.3	+23.4	+24.1	+21.3	+18.8	+11.7	+ 0.8	- 4.1	- 8.6	-13.6	- 6.4	- 6.6	15.1
	III	+ 8.8	+12.7	+ 9.0	+ 0.8	- 9.9	-16.7	-17.9	-14.7	- 7.7	+ 4.1	+ 5.1	+ 7.6	+ 9.8	+12.3	+ 8.8	+ 7.5	+ 5.8	+ 3.7	- 3.1	- 2.1	- 4.5	- 6.2	- 7.1	- 5.6	8.0
	YEAR	+ 8.8	+ 5.7	- 5.1	-16.6	-25.9	-29.7	-24.4	-15.4	- 4.0	+ 7.0	+11.6	+14.8	+14.6	+18.4	+18.2	+15.6	+13.9	+ 7.9	+ 0.9	- 1.9	- 5.0	- 5.4	- 2.0	- 1.3	11.4

[a] Four days only--March 24,29,30, and 31

TABLE 389

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H. Z TOWARD NADIR. X NORTHWARD. Y EASTWARD. AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.6	-0.7	-0.6	-0.3	-0.7	-1.6	-3.2	-4.6	-5.2	-4.4	-2.4	+0.4	+2.3	+3.6	+4.2	+3.9	+3.0	+2.4	+1.8	+1.6	+1.2	+0.4	-0.1	-0.3	2.05
FEB	I	-0.1	-0.2	-0.2	0.0	0.0	-0.4	-2.1	-3.9	-5.2	-5.5	-3.8	-1.2	+1.7	+3.8	+4.6	+4.5	+3.6	+2.4	+1.3	+1.1	+0.6	-0.1	-0.3	-0.4	1.96
MAR	II	-0.6	-1.2	-1.0	0.0	-0.2	+0.5	0.0	-1.3	-3.6	-4.2	-3.6	-2.0	+0.4	+2.6	+3.6	+4.3	+3.7	+2.7	+1.1	+0.8	+0.1	-0.5	-0.8	-1.0	1.65
APR	II	-0.4	-0.2	+0.2	+0.5	+0.3	0.0	-1.2	-2.6	-2.6	-3.1	-2.5	-0.9	+0.8	+2.1	+2.7	+2.5	+2.0	+1.2	+0.8	+0.3	-0.3	-0.6	-0.9	-0.6	1.12
MAY	III	-0.6	-0.5	-0.2	+0.3	+0.5	+0.2	+0.5	+0.2	-0.7	-1.5	-1.8	-1.2	-0.1	+0.9	+2.0	+2.5	+2.0	+0.9	+0.3	-0.2	-0.7	-0.9	-1.0	-0.9	0.86
JUN	III	-0.6	-0.2	0.0	+0.3	+0.4	+0.3	+0.5	+0.8	+0.4	-0.5	-1.1	-1.0	-0.4	+0.4	+1.3	+1.8	+1.4	+0.3	-0.1	-0.5	-0.8	-1.0	-1.0	-0.8	0.68
JUL	III	-0.4	-0.2	+0.1	+0.5	+0.7	+0.6	+0.4	+0.4	-0.1	-1.1	-1.9	-1.7	-0.7	+0.5	+1.8	+2.3	+1.6	+1.1	-0.1	-0.6	-0.9	-0.5	-0.8	-1.0	0.84
AUG	III	-0.9	-0.5	-0.4	-0.1	+0.1	+0.5	+1.0	+1.0	+0.1	-1.1	-2.1	-2.3	-1.4	-0.1	+1.2	+2.4	+2.6	+1.8	+0.6	+0.3	-0.1	-0.7	-1.0	-0.9	0.97
SEP	II	-0.5	-0.9	-0.4	-0.5	+0.7	+0.7	+0.9	+0.1	-1.6	-2.8	-3.2	-2.9	-1.2	+1.1	+2.6	+3.3	+3.2	+1.9	+1.0	+0.2	+0.4	-0.6	-0.9	-0.6	1.34
OCT	II	-0.3	-0.3	0.0	+0.1	+0.1	-0.4	-1.3	-2.4	-4.0	-4.9	-4.4	-2.3	+0.4	+3.0	+4.4	+4.4	+3.3	+2.3	+1.2	+0.9	+0.6	+0.1	-0.2	-0.2	1.73
NOV	I	-0.5	-0.4	-0.2	0.0	+0.4	-0.3	-1.8	-3.4	-4.5	-4.8	-3.6	-1.4	+1.2	+3.3	+4.5	+4.3	+3.3	+2.0	+1.1	+1.0	+0.6	0.0	-0.4	-0.7	1.82
DEC	I	-0.3	-0.3	-0.2	-0.1	-0.1	-0.8	-2.0	-3.5	-4.8	-5.2	-4.1	-1.6	+1.2	+3.2	+4.3	+4.4	+3.6	+2.8	+1.9	+1.4	+1.0	+0.2	-0.3	-0.6	2.02
MEANS	I	-0.4	-0.4	-0.3	-0.1	-0.1	-0.8	-2.3	-3.8	-4.9	-5.0	-3.4	-0.9	+1.6	+3.5	+4.4	+4.3	+3.4	+2.4	+1.5	+1.3	+0.8	+0.1	-0.3	-0.5	1.94
	II	-0.4	-0.7	-0.3	0.0	+0.3	+0.3	-0.1	-1.2	-3.0	-3.7	-3.4	-2.0	+0.1	+2.2	+3.3	+3.6	+3.0	+2.0	+1.0	+0.6	+0.2	-0.4	-0.7	-0.6	1.38
	III	-0.6	-0.3	-0.1	+0.3	+0.4	+0.4	+0.6	+0.6	-0.1	-1.1	-1.8	-1.6	-0.7	+0.4	+1.6	+2.2	+1.9	+1.0	+0.2	-0.2	-0.6	-0.8	-1.0	-0.9	0.81
	YEAR	-0.5	-0.5	-0.2	0.0	+0.2	0.0	-0.6	-1.5	-2.6	-3.3	-2.9	-1.5	+0.4	+2.0	+3.1	+3.4	+2.8	+1.8	+0.9	+0.5	+0.1	-0.4	-0.6	-0.7	1.27

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.8	-0.4	-0.2	-0.4	-0.4	-1.4	-2.8	-4.5	-5.2	-4.4	-2.5	+0.3	+2.0	+3.1	+3.5	+3.4	+2.5	+2.0	+1.8	+1.5	+1.4	+0.8	+0.5	+0.2	1.91
FEB	I	+0.2	0.0	+0.2	+0.1	+0.1	-0.5	-2.2	-3.8	-5.1	-5.3	-3.7	-1.2	+1.2	+3.1	+4.1	+3.8	+3.0	+1.9	+1.3	+1.0	+0.7	+0.6	+0.4	+0.3	1.81
MAR	II	-0.1	-0.4	-0.2	0.0	-0.4	-0.2	-0.2	-1.6	-3.5	-4.4	-3.7	-2.0	+0.4	+2.3	+3.2	+3.3	+2.8	+1.6	+1.2	+1.0	+0.7	+0.2	0.0	0.0	1.41
APR	II	-0.2	+0.1	+0.1	+0.5	+0.6	+0.1	-0.1	-1.0	-2.6	-3.4	-2.9	-1.5	+0.4	+1.8	+2.5	+2.2	+1.6	+1.0	+0.6	+0.3	0.0	+0.1	-0.1	-0.1	0.99
MAY	III	-0.5	-0.6	-0.3	+0.2	+0.4	0.0	+0.3	+0.1	-0.9	-1.9	-2.1	-1.2	+0.1	+1.2	+1.7	+2.0	+1.6	+0.8	+0.4	+0.1	-0.3	-0.4	-0.5	-0.4	0.75
JUN	III	-0.5	-0.1	+0.2	+0.5	+0.5	+0.3	+0.4	+0.5	-0.2	-1.0	-1.4	-1.2	-0.4	+0.5	+1.3	+1.6	+1.2	+0.3	0.0	-0.3	-0.5	-0.6	-0.6	-0.5	0.61
JUL	III	+0.1	+0.4	+0.5	+0.6	+0.5	+0.5	+0.5	+0.5	-0.4	-1.8	-2.6	-2.5	-1.3	+0.2	+1.4	+2.0	+1.6	+0.7	+0.3	0.0	-0.2	-0.4	-0.3	-0.2	0.80
AUG	III	-0.2	0.0	+0.2	+0.4	+0.4	+0.6	+0.8	+0.8	-0.6	-2.0	-3.0	-3.0	-1.7	-0.2	+1.2	+2.2	+2.2	+1.3	+0.5	+0.2	+0.1	0.0	0.0	-0.1	0.90
SEP	II	-0.5	-0.3	+0.2	+0.3	+1.2	+0.8	+0.5	-0.1	-1.6	-2.8	-3.4	-3.1	-1.8	0.0	+1.6	+2.5	+2.5	+1.7	+0.9	+0.7	+0.4	+0.2	+0.1	+0.1	1.14
OCT	II	-0.2	-0.1	+0.2	+0.1	+0.2	-0.2	-1.2	-2.8	-4.2	-4.7	-4.2	-2.0	+0.7	+3.0	+4.2	+3.9	+2.9	+1.8	+1.1	+0.6	+0.5	+0.3	+0.1	+0.1	1.64
NOV	I	-0.9	-0.3	0.0	+0.1	+0.1	-0.4	-1.9	-3.0	-4.2	-4.6	-3.7	-2.0	+0.3	+2.3	+3.5	+3.8	+3.0	+2.3	+1.6	+1.4	+1.2	+0.8	+0.4	0.0	1.75
DEC	I	0.0	0.0	0.0	0.0	-0.1	-0.8	-2.2	-3.6	-4.8	-5.2	-4.2	-1.8	+0.8	+3.1	+4.2	+4.0	+3.3	+2.4	+1.7	+1.4	+1.1	+0.6	+0.2	-0.2	1.91
MEANS	I	-0.4	-0.2	0.0	0.0	-0.1	-0.8	-2.2	-3.7	-4.8	-4.9	-3.5	-1.2	+1.1	+2.9	+3.8	+3.8	+2.9	+2.1	+1.6	+1.3	+1.1	+0.7	+0.4	+0.1	1.82
	II	-0.2	-0.2	0.0	+0.2	+0.4	0.0	-0.3	-1.4	-3.0	-3.8	-3.6	-2.1	-0.1	+1.8	+2.8	+3.0	+2.5	+1.5	+0.9	+0.7	+0.4	+0.2	0.0	0.0	1.22
	III	-0.3	-0.1	+0.1	+0.4	+0.5	+0.3	+0.5	+0.5	-0.5	-1.7	-2.3	-2.0	-0.8	+0.4	+1.4	+2.0	+1.6	+0.8	+0.3	0.0	-0.2	-0.3	-0.4	-0.3	0.74
	YEAR	-0.3	-0.2	+0.1	+0.2	+0.3	-0.1	-0.7	-1.5	-2.8	-3.5	-3.1	-1.8	+0.1	+1.7	+2.7	+2.9	+2.3	+1.5	+0.9	+0.6	+0.4	+0.2	0.0	-0.1	1.16

TABLE 389--CONCLUDED

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	-6.3	-5.4	-3.1	+0.1	+2.4	+3.7	+4.2	+3.5	+2.6	+2.1	+1.8	+1.6	+1.5	+1.0	+0.6	+0.1	0.0	0.0	-0.3	-0.5	-1.2	-1.6	-2.9	-4.2	2.12
FEB	I	-5.1	-5.1	-3.1	-0.5	+1.7	+3.3	+4.1	+3.8	+2.9	+1.7	+1.3	+1.3	+0.7	+0.6	+0.4	+0.3	+0.1	-0.2	0.0	-0.2	-0.5	-0.9	-2.3	-4.5	1.87
MAR	II	-3.4	-4.1	-3.4	-1.7	+0.5	+2.2	+2.9	+3.1	+2.8	+1.8	+1.3	+0.9	+0.6	+0.4	+0.4	+0.3	+0.1	0.0	0.0	-0.3	-0.4	-0.6	-1.0	-2.5	1.44
APR	II	-2.3	-3.1	-2.8	-1.3	+0.5	+1.8	+2.4	+2.3	+1.7	+1.0	+0.8	+0.3	+0.1	+0.1	-0.1	-0.1	0.0	+0.1	+0.4	+0.2	+0.2	-0.1	-0.4	-1.5	0.98
MAY	III	-1.4	-2.4	-2.4	-1.6	0.0	+1.2	+1.8	+2.2	+1.6	+0.8	+0.3	+0.1	-0.2	-0.4	-0.7	-0.5	-0.1	-0.1	+0.2	+0.4	+0.6	+0.3	+0.3	+0.1	0.82
JUN	III	-0.3	-0.9	-1.2	-0.9	-0.3	+0.7	+1.5	+1.8	+1.1	+0.3	-0.1	-0.4	-0.6	-0.6	-0.6	-0.4	-0.2	+0.1	+0.3	+0.3	+0.3	+0.2	-0.1	-0.1	0.56
JUL	III	-0.3	-2.0	-2.8	-2.5	-1.6	0.0	+1.2	+1.8	+1.5	+0.7	+0.1	0.0	-0.2	-0.4	-0.2	0.0	+0.4	+0.5	+0.6	+0.6	+0.7	+0.8	+0.6	+0.7	0.84
AUG	III	-0.9	-2.4	-3.2	-3.0	-1.6	-0.1	+1.4	+2.2	+2.2	+1.3	+0.4	+0.2	+0.1	0.0	-0.1	-0.1	+0.1	+0.2	+0.4	+0.5	+0.5	+0.6	+0.7	+0.5	0.94
SEP	II	-1.1	-2.5	-3.3	-3.2	-2.3	-0.3	+1.5	+2.5	+2.4	+1.5	+0.8	+0.6	+0.4	+0.2	+0.2	0.0	0.0	0.0	+0.2	+0.2	+0.4	+0.6	+0.9	+0.2	1.06
OCT	II	-4.0	-5.1	-4.8	-2.8	-0.1	+2.6	+4.3	+4.1	+2.8	+2.0	+1.2	+0.9	+0.7	+0.5	+0.4	+0.1	+0.2	+0.1	+0.1	+0.1	+0.1	-0.2	-0.8	-2.4	1.57
NOV	I	-3.7	-4.5	-3.9	-2.4	-0.2	+1.6	+3.0	+3.5	+2.9	+2.4	+1.5	+1.3	+1.0	+0.6	+0.4	+0.2	+0.4	+0.5	+0.3	+0.2	+0.1	-0.4	-1.8	-3.4	1.58
DEC	I	-5.8	-6.2	-5.0	-2.4	+0.4	+2.7	+4.2	+4.4	+3.7	+2.8	+1.9	+1.5	+1.2	+0.6	+0.2	-0.2	+0.3	+0.6	+0.4	+0.2	-0.1	-0.8	-1.8	-3.0	2.11
MEANS	I	-5.2	-5.3	-3.8	-1.3	+1.1	+2.9	+3.9	+3.8	+3.0	+2.2	+1.5	+1.4	+1.1	+0.7	+0.4	+0.1	+0.2	+0.2	+0.1	-0.1	-0.4	-0.9	-2.2	-3.8	1.91
	II	-2.7	-3.7	-3.6	-2.3	-0.3	+1.6	+2.8	+3.0	+2.4	+1.6	+1.0	+0.7	+0.5	+0.3	+0.2	+0.1	0.0	+0.1	+0.2	+0.1	0.0	0.0	-0.4	-1.6	1.21
	III	-0.7	-1.9	-2.4	-2.0	-0.9	+0.4	+1.5	+2.0	+1.5	+0.8	+0.2	0.0	-0.2	-0.4	-0.4	-0.3	0.0	+0.2	+0.4	+0.5	+0.5	+0.4	+0.4	+0.3	0.77
	YEAR	-2.9	-3.6	-3.2	-1.8	0.0	+1.6	+2.7	+3.0	+2.4	+1.5	+0.9	+0.7	+0.4	+0.2	+0.1	0.0	+0.1	+0.1	+0.2	+0.2	0.0	-0.2	-0.7	-1.7	1.18

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	-6.1	-4.3	-1.9	+0.5	+2.7	+4.4	+5.3	+4.8	+4.0	+3.4	+2.3	+2.3	+1.4	+0.1	-0.6	-0.8	-1.6	-1.7	-1.0	-0.5	-1.2	-2.4	-3.9	-4.9	2.59
FEB	I	-5.7	-5.3	-3.7	-1.3	+1.2	+3.5	+4.7	+5.1	+4.4	+3.6	+2.5	+1.8	+0.3	-1.9	-1.7	-1.2	+0.2	-0.6	-1.2	-0.2	+0.1	+0.1	-1.4	-3.4	2.31
MAR	II	-4.2	-3.4	-2.8	-0.6	+2.5	+5.0	+5.6	+8.0	+6.2	+5.4	+0.7	0.0	+0.1	-3.6	-2.9	-3.9	-1.6	-4.8	-5.2	-0.6	-0.3	+0.1	+0.3	0.0	2.82
APR	II	-2.9	-3.3	-2.0	-0.3	+1.4	+2.8	+3.7	+2.9	+2.3	+1.6	+1.0	+0.4	-0.9	-1.2	-2.5	-1.8	-1.1	-0.7	+0.7	+0.1	+1.0	+0.1	+0.2	-1.5	1.51
MAY	III	0.0	-0.8	-1.2	-0.8	+0.1	+1.1	+2.2	+2.3	+2.2	+0.8	-0.5	-1.0	-2.4	-2.2	-2.0	-2.1	-1.4	-1.0	-0.4	+0.6	+2.1	+1.0	+1.7	+1.6	1.31
JUN	III	+1.5	+1.1	+0.4	-0.4	-0.5	+0.2	+1.2	+2.4	+2.3	+0.7	0.0	-0.6	-1.7	-2.1	-1.6	-1.5	-1.5	-0.9	-1.2	-0.5	0.0	+0.5	+1.1	+1.2	1.05
JUL	III	+0.8	+0.7	-0.6	-0.4	+0.5	+1.8	+4.1	+3.7	+1.6	+2.3	-2.4	-2.9	-3.3	+0.5	-2.1	-3.0	-0.5	-1.2	-0.9	+0.4	+0.5	+0.4	+0.3	-0.3	1.46
AUG	III	-0.4	-0.3	-1.0	-1.1	-0.2	+1.8	+2.4	+4.0	+4.8	+4.2	+1.9	+1.0	+0.3	-2.2	-3.6	-2.8	-3.3	-2.1	-2.5	-1.7	-1.2	-0.6	+1.7	+1.0	1.92
SEP	II	-1.0	-2.3	-2.5	-3.5	-1.3	+2.2	+3.2	+4.9	+5.0	+2.6	+2.0	-1.9	+0.8	-2.3	-2.8	-0.4	-0.5	-3.7	-1.8	-3.7	+1.4	+0.8	+2.2	+2.6	2.30
OCT	II	-3.4	-4.4	-4.2	-1.8	+0.8	+3.9	+5.8	+5.4	+4.1	+3.3	+1.5	+1.0	0.0	-0.7	-0.7	-0.5	-0.8	-2.3	-2.4	-0.5	-0.1	-0.4	-1.8	-1.8	2.15
NOV	I	-4.5	-4.6	-2.1	+0.3	+2.9	+5.0	+6.7	+6.0	+4.7	+2.2	+0.3	+0.8	-0.3	-2.0	-1.4	-2.2	-2.4	-1.9	-0.4	-0.4	0.0	-0.3	-2.4	-3.8	2.41
DEC	I	-3.9	-3.4	-2.1	+0.3	+2.4	+3.6	+4.2	+4.3	+4.1	+3.5	+2.3	+1.7	+0.5	-0.8	-2.4	-2.7	-0.7	-0.4	-1.2	-0.7	-0.5	-1.3	-2.8	-4.1	2.24
MEANS	I	-5.0	-4.4	-2.5	-0.1	+2.3	+4.1	+5.2	+5.0	+4.3	+3.2	+1.9	+1.7	+0.5	-1.1	-1.5	-1.8	-1.1	-1.2	-1.0	-0.5	-0.4	-1.0	-2.6	-4.1	2.35
	II	-2.9	-3.4	-2.9	-1.5	+0.8	+3.5	+4.6	+5.3	+4.4	+3.2	+1.3	-0.1	0.0	-1.9	-2.2	-1.6	-1.0	-2.9	-2.2	-1.2	+0.5	+0.2	+0.2	-0.2	2.00
	III	+0.5	+0.2	-0.5	-0.7	0.0	+1.2	+2.5	+3.1	+2.7	+2.0	-0.2	-0.9	-1.8	-1.5	-2.3	-2.3	-1.7	-1.3	-1.2	-0.3	+0.4	+0.3	+1.2	+0.9	1.24
	YEAR	-2.5	-2.5	-2.0	-0.8	+1.0	+3.0	+4.1	+4.5	+3.8	+2.8	+1.0	+0.2	-0.4	-1.5	-2.0	-1.9	-1.3	-1.8	-1.5	-0.6	+0.2	-0.2	-0.4	-1.1	1.71

TABLE 390

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	+0.02	-0.06	-0.02	+0.05	-0.02	-0.04	-0.08	-0.26	-0.37	-0.17	+0.10	+0.44	+0.61	+0.62	+0.58	+0.33	+0.14	-0.15	-0.25	-0.21	-0.31	-0.29	-0.34	-0.35	0.24
FEB	I	+0.16	+0.29	+0.48	+0.43	+0.25	+0.25	-0.06	-0.43	-0.66	-0.58	-0.18	+0.35	+0.79	+0.85	+0.59	+0.36	-0.10	-0.54	-0.69	-0.51	-0.47	-0.47	-0.19	+0.01	0.40
MAR	II	+0.32	+0.31	+0.17	+0.51	+0.59	+0.54	+0.40	+0.15	-0.58	-0.72	-0.28	+0.14	+0.41	+0.70	+0.61	+0.33	-0.03	-0.50	-0.74	-0.58	-0.35	-0.34	-0.55	-0.49	0.43
APR	II	+0.02	+0.22	+0.45	+0.48	+0.54	+0.47	+0.34	+0.22	-0.06	-0.29	-0.11	+0.09	+0.23	+0.03	-0.14	-0.32	-0.22	-0.37	-0.32	-0.41	-0.36	-0.27	-0.21	-0.05	0.26
MAY	III	-0.01	+0.13	+0.27	+0.35	+0.50	+0.49	+0.56	+0.58	+0.64	+0.41	+0.22	+0.07	-0.10	-0.35	-0.55	-0.58	-0.48	-0.32	-0.25	-0.41	-0.46	-0.40	-0.28	-0.20	0.36
JUN	III	-0.14	-0.03	+0.16	+0.22	+0.29	+0.42	+0.49	+0.56	+0.58	+0.45	+0.25	+0.12	+0.04	-0.12	-0.32	-0.36	-0.37	-0.22	-0.37	-0.36	-0.41	-0.36	-0.33	-0.22	0.30
JUL	III	-0.20	+0.14	+0.25	+0.40	+0.48	+0.53	+0.63	+0.77	+0.79	+0.60	+0.38	+0.38	+0.35	+0.28	-0.07	-0.50	-0.73	-0.49	-0.48	-0.75	-0.77	-0.79	-0.62	-0.56	0.50
AUG	III	-0.22	+0.03	+0.18	+0.31	+0.48	+0.53	+0.64	+0.72	+0.51	+0.49	+0.43	+0.36	+0.12	-0.10	-0.35	-0.43	-0.47	-0.47	-0.48	-0.46	-0.70	-0.58	-0.34	-0.32	0.41
SEP	II	-0.12	-0.09	+0.25	+0.43	+0.75	+0.58	+0.49	+0.57	+0.33	+0.24	+0.24	+0.22	-0.01	+0.27	+0.02	-0.12	-0.48	-0.54	-0.37	-0.55	-0.52	-0.75	-0.61	-0.16	0.36
OCT	II	+0.02	+0.12	+0.20	+0.22	+0.25	+0.23	+0.23	+0.13	-0.10	-0.08	+0.04	+0.23	+0.34	+0.37	+0.23	+0.12	-0.14	-0.34	-0.49	-0.44	-0.39	-0.36	-0.29	-0.11	0.23
NOV	I	+0.04	+0.32	+0.48	+0.31	+0.40	+0.39	+0.29	+0.02	-0.20	-0.27	-0.06	+0.23	+0.47	+0.48	+0.21	-0.04	-0.36	-0.59	-0.56	-0.43	-0.48	-0.41	-0.27	0.00	0.30
DEC	I	-0.20	-0.03	+0.03	+0.07	-0.05	+0.03	0.00	-0.17	-0.13	+0.07	+0.15	+0.34	+0.60	+0.53	+0.56	+0.29	+0.01	-0.19	-0.27	-0.33	-0.31	-0.37	-0.37	-0.41	0.23
MEANS	I	0.00	+0.13	+0.24	+0.22	+0.14	+0.16	+0.04	-0.21	-0.34	-0.24	0.00	+0.34	+0.52	+0.54	+0.48	+0.24	-0.08	-0.37	-0.44	-0.37	-0.39	-0.38	-0.29	-0.19	0.27
	II	+0.06	+0.14	+0.27	+0.41	+0.53	+0.46	+0.36	+0.27	-0.10	-0.21	-0.03	+0.17	+0.24	+0.34	+0.18	0.00	-0.22	-0.44	-0.48	-0.50	-0.40	-0.43	-0.42	-0.20	0.29
	III	-0.14	+0.07	+0.22	+0.32	+0.44	+0.49	+0.58	+0.58	+0.66	+0.49	+0.32	+0.23	+0.10	-0.07	-0.32	-0.47	-0.51	-0.38	-0.40	-0.50	-0.58	-0.53	-0.39	-0.32	0.38
	YEAR	-0.03	+0.11	+0.24	+0.32	+0.37	+0.37	+0.33	+0.25	+0.07	+0.01	+0.10	+0.25	+0.32	+0.30	+0.11	-0.08	-0.27	-0.39	-0.44	-0.45	-0.46	-0.45	-0.37	-0.24	0.26

TEN LEAST-DISTURBED DAYS BASIS 120TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.75	-0.47	-0.20	-0.12	-0.23	-0.28	-0.28	-0.36	-0.42	-0.09	+0.25	+0.63	+0.87	+0.81	+0.70	+0.46	+0.23	-0.01	-0.09	-0.12	-0.19	-0.23	-0.08	-0.10	0.33
FEB	I	-0.23	-0.16	+0.25	+0.32	+0.09	0.00	-0.15	-0.33	-0.52	-0.50	-0.10	+0.36	+0.71	+0.77	+0.59	+0.41	+0.07	-0.32	-0.34	-0.27	-0.18	-0.23	-0.14	-0.12	0.30
MAR	II	+0.10	+0.04	+0.22	+0.26	+0.26	+0.11	-0.04	-0.37	-0.59	-0.60	-0.20	+0.25	+0.38	+0.42	+0.36	+0.19	-0.03	-0.24	-0.08	-0.03	-0.10	-0.19	-0.12	+0.03	0.22
APR	II	-0.19	-0.02	+0.09	+0.22	+0.27	+0.18	+0.13	+0.03	-0.23	-0.39	-0.23	+0.09	+0.21	+0.06	-0.11	-0.20	-0.05	+0.04	+0.06	-0.01	+0.02	0.00	-0.02	+0.08	0.12
MAY	III	-0.31	-0.13	0.00	+0.02	+0.22	+0.27	+0.28	+0.50	+0.52	+0.38	+0.11	-0.03	-0.05	-0.23	-0.36	-0.28	-0.15	-0.03	-0.07	-0.13	-0.19	-0.15	-0.15	-0.07	0.19
JUN	III	-0.34	-0.22	-0.15	-0.06	+0.09	+0.11	+0.17	+0.33	+0.39	+0.41	+0.23	+0.09	+0.04	-0.04	-0.15	-0.17	-0.06	+0.03	-0.05	-0.10	-0.11	-0.15	-0.16	-0.10	0.16
JUL	III	-0.17	0.00	+0.03	+0.07	+0.11	+0.20	+0.36	+0.51	+0.46	+0.31	+0.23	+0.04	0.00	-0.17	-0.32	-0.39	-0.31	-0.11	-0.02	-0.09	-0.23	-0.25	-0.15	-0.10	0.19
AUG	III	-0.34	-0.21	-0.01	+0.04	+0.07	+0.23	+0.38	+0.48	+0.46	+0.29	+0.21	+0.04	-0.03	-0.12	-0.39	-0.38	-0.23	-0.08	+0.01	0.00	-0.06	-0.11	-0.14	-0.12	0.18
SEP	II	-0.46	-0.32	-0.13	0.00	+0.18	+0.25	+0.23	+0.17	+0.13	+0.22	+0.31	+0.42	+0.29	+0.06	-0.10	-0.10	-0.06	-0.08	-0.10	-0.15	-0.25	-0.25	-0.18	-0.12	0.19
OCT	II	-0.18	-0.12	+0.18	+0.06	+0.11	+0.17	+0.10	-0.10	-0.35	-0.30	-0.19	+0.21	+0.29	+0.36	+0.37	+0.33	+0.06	-0.16	-0.22	-0.23	-0.15	-0.10	-0.09	+0.03	0.19
NOV	I	-0.59	-0.31	-0.14	-0.14	-0.09	-0.02	-0.05	+0.02	-0.07	-0.05	+0.15	+0.30	+0.37	+0.30	+0.31	+0.26	+0.16	+0.03	-0.10	-0.08	-0.08	-0.07	-0.04	-0.05	0.16
DEC	I	-0.45	-0.23	-0.13	-0.20	-0.22	-0.24	-0.07	-0.17	-0.05	+0.17	+0.40	+0.54	+0.69	+0.59	+0.51	+0.24	+0.01	-0.13	-0.15	-0.16	-0.19	-0.29	-0.30	-0.29	0.27
MEANS	I	-0.50	-0.29	-0.06	-0.04	-0.11	-0.14	-0.14	-0.21	-0.26	-0.12	+0.18	+0.46	+0.66	+0.64	+0.53	+0.34	+0.12	-0.11	-0.17	-0.16	-0.16	-0.20	-0.14	-0.14	0.24
	II	-0.18	-0.10	+0.09	+0.14	+0.20	+0.18	+0.10	-0.07	-0.26	-0.27	-0.08	+0.24	+0.29	+0.22	+0.13	+0.06	-0.02	-0.11	-0.08	-0.10	-0.12	-0.14	-0.10	0.00	0.14
	III	-0.29	-0.14	-0.03	+0.02	+0.12	+0.20	+0.30	+0.46	+0.46	+0.35	+0.20	+0.04	-0.01	-0.14	-0.30	-0.30	-0.19	-0.05	-0.03	-0.08	-0.15	-0.16	-0.15	-0.10	0.18
	YEAR	-0.33	-0.18	0.00	+0.04	+0.07	+0.08	+0.09	+0.06	-0.02	-0.01	+0.10	+0.24	+0.31	+0.24	+0.12	+0.03	-0.03	-0.09	-0.10	-0.11	-0.14	-0.17	-0.13	-0.08	0.12

TABLE 390--CONCLUDED

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	-0.66	-0.46	-0.04	+0.47	+0.97	+0.85	+0.69	+0.34	+0.10	-0.10	-0.29	-0.36	-0.43	-0.51	-0.45	-0.44	-0.41	-0.25	-0.03	+0.15	+0.17	+0.29	+0.33	+0.24	0.38
FEB	I	-0.61	-0.50	-0.02	+0.46	+0.76	+0.71	+0.44	+0.30	+0.07	-0.29	-0.24	-0.18	-0.15	-0.32	-0.21	-0.23	-0.24	-0.20	+0.29	+0.34	+0.11	+0.03	-0.02	-0.29	0.29
MAR	II	-0.78	-0.68	-0.18	+0.24	+0.32	+0.23	+0.24	+0.11	-0.16	-0.32	-0.22	-0.23	-0.15	-0.17	-0.08	-0.02	+0.12	+0.14	+0.30	+0.28	+0.32	+0.32	+0.29	+0.01	0.25
APR	II	-0.10	-0.28	-0.32	-0.10	-0.09	-0.18	-0.36	-0.37	-0.14	-0.03	-0.04	-0.16	-0.11	-0.08	-0.09	-0.03	+0.07	+0.17	+0.37	+0.35	+0.36	+0.39	+0.40	+0.35	0.21
MAY	III	+0.34	+0.13	-0.25	-0.38	-0.28	-0.41	-0.49	-0.33	-0.30	-0.09	-0.02	-0.15	-0.15	-0.16	-0.20	-0.12	+0.01	+0.09	+0.21	+0.24	+0.36	+0.51	+0.65	+0.85	0.28
JUN	III	+0.40	+0.54	+0.42	+0.22	+0.12	-0.02	-0.19	-0.23	-0.18	-0.11	-0.20	-0.25	-0.23	-0.24	-0.21	-0.18	-0.13	-0.05	-0.03	-0.05	-0.04	+0.06	+0.17	+0.39	0.19
JUL	III	+0.40	+0.28	+0.17	+0.08	-0.13	-0.22	-0.30	-0.34	-0.22	-0.09	+0.02	-0.05	-0.25	-0.36	-0.29	-0.21	-0.11	+0.04	+0.02	+0.08	+0.21	+0.31	+0.39	+0.54	0.21
AUG	III	+0.37	+0.19	+0.03	-0.15	-0.24	-0.32	-0.52	-0.58	-0.37	-0.19	-0.04	-0.11	-0.17	-0.18	-0.24	-0.19	-0.13	-0.04	+0.22	+0.28	+0.38	+0.52	+0.67	+0.79	0.29
SEP	II	+0.14	+0.18	+0.26	+0.22	+0.10	-0.16	-0.35	-0.26	-0.27	-0.23	-0.26	-0.31	-0.25	-0.24	-0.25	-0.25	-0.17	0.00	+0.07	+0.13	+0.25	+0.39	+0.55	+0.68	0.25
OCT	II	-0.27	-0.23	-0.30	-0.16	-0.05	+0.29	+0.50	+0.34	-0.06	-0.22	-0.25	-0.21	-0.21	-0.24	-0.18	-0.06	-0.02	+0.05	+0.15	+0.24	+0.44	+0.06	+0.29	+0.11	0.21
NOV	I	-0.02	-0.17	-0.23	-0.09	+0.03	0.00	+0.02	+0.11	+0.12	-0.15	-0.38	-0.38	-0.31	-0.29	-0.27	-0.24	-0.19	-0.02	+0.15	+0.22	+0.40	+0.45	+0.64	+0.57	0.23
DEC	I	-0.36	-0.13	+0.12	+0.35	+0.69	+0.78	+0.62	+0.32	+0.15	-0.01	-0.21	-0.25	-0.30	-0.38	-0.47	-0.42	-0.38	-0.23	-0.04	-0.14	-0.12	-0.05	+0.32	+0.15	0.29
MEANS	I	-0.46	-0.32	-0.04	+0.30	+0.61	+0.58	+0.44	+0.27	+0.11	-0.14	-0.28	-0.29	-0.30	-0.38	-0.35	-0.33	-0.30	-0.18	+0.09	+0.14	+0.14	+0.18	+0.32	+0.17	0.28
	II	-0.25	-0.25	-0.14	+0.05	+0.07	+0.04	+0.01	-0.04	-0.16	-0.20	-0.19	-0.23	-0.18	-0.18	-0.15	-0.09	0.00	+0.09	+0.22	+0.25	+0.34	+0.29	+0.38	+0.29	0.17
	III	+0.38	+0.28	+0.09	-0.06	-0.13	-0.24	-0.38	-0.37	-0.27	-0.12	-0.06	-0.14	-0.20	-0.24	-0.24	-0.18	-0.09	+0.01	+0.10	+0.14	+0.23	+0.35	+0.47	+0.64	0.23
	YEAR	-0.11	-0.09	-0.03	+0.10	+0.18	+0.13	+0.02	-0.05	-0.10	-0.15	-0.18	-0.22	-0.23	-0.26	-0.24	-0.20	-0.13	-0.02	+0.14	+0.18	+0.24	+0.27	+0.39	+0.37	0.17

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	-0.16	+0.23	+0.57	+0.89	+0.86	+0.75	+0.66	+0.22	+0.13	-0.32	-0.29	-0.13	-0.40	-0.30	-0.71	-0.48	+0.91	-0.13	-0.05	-0.17	-0.29	-0.39	-0.54	-0.87	0.44
FEB	I	-0.70	-0.32	+0.05	+0.59	+1.14	+1.21	+0.95	+0.59	-0.19	-0.74	-1.08	-0.67	-0.65	-0.59	-0.29	-0.24	+0.33	+0.87	+0.54	+0.23	+0.04	+0.39	-0.40	-1.01	0.58
MAR	II	+1.47	+0.68	+1.17	+1.75	+2.29	+3.28	+3.17	+2.63	+1.08	-1.05	-2.46	-2.05	-0.18	-0.56	-2.65	-3.57	-1.01	-1.23	-2.37	-0.17	+0.39	+0.11	-0.18	-0.52	1.50
APR	II	+0.41	+0.05	+0.38	+0.52	+0.78	+0.07	-0.33	-0.34	-0.22	-1.14	-1.37	-1.12	-1.04	-0.74	-0.37	-0.25	+0.05	+0.69	+1.30	+0.75	+0.81	+0.44	+0.39	+0.32	0.58
MAY	III	+1.58	+1.14	+0.78	+0.34	-0.08	-0.82	-1.04	-1.35	-1.46	-1.49	-1.01	-0.97	-1.07	-0.86	-0.44	-0.10	+0.23	+0.51	+0.68	+0.90	+1.16	+1.03	+1.12	+1.24	0.89
JUN	III	+1.38	+1.12	+0.75	+0.73	+0.65	+0.33	-0.33	-0.91	-1.42	-1.58	-1.54	-0.85	-0.79	-0.25	-0.36	-0.33	-0.16	+0.04	+0.26	+0.40	+0.57	+0.85	+0.71	+0.69	0.71
JUL	III	+2.62	+2.06	+1.25	+2.14	+2.47	+2.49	+1.23	-0.43	-1.49	-1.57	-2.16	-3.64	-3.13	-3.09	-2.43	-2.03	-0.74	+0.17	+0.48	+1.18	+1.30	+0.90	+1.12	+1.32	1.73
AUG	III	+1.51	+1.25	+1.51	+1.71	+1.11	+0.66	+0.52	+0.14	-0.52	-1.02	-1.63	-1.13	-2.25	-2.03	-1.21	-0.89	-0.79	-0.16	-0.10	+0.04	+0.88	+0.64	+0.89	+0.77	0.97
SEP	II	+0.73	+0.24	-0.65	-0.16	-0.77	+1.40	+1.24	+0.77	-0.87	-1.07	-0.18	-1.23	-1.33	-2.27	-1.72	+0.04	-0.17	-0.99	+0.41	+1.41	+2.70	+1.21	+0.44	+0.82	0.95
OCT	II	+0.78	+0.72	+0.60	+0.61	+0.74	+0.60	-0.20	-0.25	-0.30	-0.30	-0.86	-0.75	-0.73	-0.72	-0.32	-0.12	+0.30	+0.20	-0.07	-0.24	+0.35	+0.66	-0.09	-0.60	0.46
NOV	I	+0.82	+0.53	+0.85	+1.14	+1.11	+0.92	+0.25	-0.55	-1.33	-1.62	-1.12	-0.84	-0.98	-0.87	-0.18	-0.23	-0.09	+0.66	+1.11	+0.22	+0.33	+0.19	-0.01	-0.35	0.68
DEC	I	+0.02	+0.57	+0.87	+1.07	+0.82	+0.49	+0.58	+0.03	-0.10	-0.18	-0.05	-0.64	-0.43	-0.52	-0.77	-1.09	-0.42	+0.06	-0.12	+0.33	-0.09	+0.06	-0.11	-0.35	0.41
MEANS	I	0.00	+0.25	+0.58	+0.92	+0.98	+0.84	+0.61	+0.07	-0.37	-0.72	-0.64	-0.57	-0.62	-0.57	-0.49	-0.51	+0.18	+0.36	+0.37	+0.15	0.00	+0.06	-0.26	-0.64	0.45
	II	+0.85	+0.42	+0.38	+0.68	+0.76	+1.34	+0.97	+0.70	-0.08	-0.89	-1.22	-1.29	-0.82	-1.07	-1.26	-0.98	-0.21	-0.33	-0.18	+0.44	+1.06	+0.60	+0.14	0.00	0.69
	III	+1.77	+1.39	+1.07	+1.23	+1.04	+0.66	+0.10	-0.64	-1.22	-1.42	-1.58	-1.65	-1.81	-1.56	-1.11	-0.84	-0.36	+0.14	+0.33	+0.63	+0.98	+0.86	+0.96	+1.00	1.01
	YEAR	+0.87	+0.69	+0.68	+0.94	+0.93	+0.95	+0.56	+0.05	-0.56	-1.01	-1.15	-1.17	-1.08	-1.07	-0.95	-0.77	-0.13	+0.06	+0.17	+0.41	+0.68	+0.51	+0.28	+0.12	0.66

TABLE 391

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 4	+ 2	+ 1	+ 2	+ 1	+ 3	+ 5	+ 3	- 1	- 4	- 7	- 6	- 4	- 2	0	+ 1	+ 2	0	- 1	0	- 1	+ 1	0	- 1	2.3
FEB	I	+ 6	+ 8	+10	+ 8	+ 5	+ 6	+ 5	+ 1	- 4	- 8	-10	- 9	- 5	- 3	- 2	0	- 2	- 5	- 5	- 3	- 2	- 1	+ 3	+ 5	4.8
MAR	II	+ 5	+ 7	+ 4	+ 7	+ 9	+ 7	+ 7	+ 6	- 3	- 8	- 7	- 6	- 7	- 3	- 2	- 2	- 2	- 5	- 5	- 3	+ 1	+ 2	- 2	- 2	4.7
APR	II	+ 2	+ 4	+ 7	+ 8	+ 8	+ 8	+ 7	+ 8	+ 4	- 2	- 4	- 5	- 6	- 9	-10	- 9	- 4	- 4	- 2	- 2	- 1	0	+ 1	+ 2	4.9
MAY	III	0	+ 2	+ 4	+ 5	+ 7	+ 8	+ 9	+12	+14	+10	+ 5	- 1	- 7	-12	-16	-15	- 9	- 3	- 1	- 3	- 3	- 3	- 2	- 1	6.3
JUN	III	- 2	- 1	+ 2	+ 3	+ 4	+ 6	+ 8	+ 8	+11	+10	+ 6	+ 2	- 2	- 6	-10	-10	- 7	- 2	- 4	- 3	- 4	- 3	- 3	- 3	4.9
JUL	III	- 2	+ 2	+ 3	+ 5	+ 6	+ 8	+10	+13	+15	+14	+ 9	+ 5	+ 1	- 3	-10	-14	-13	- 6	- 4	- 8	- 8	- 9	- 7	- 6	7.6
AUG	III	- 2	+ 1	+ 3	+ 5	+ 7	+ 7	+ 8	+11	+12	+12	+11	+ 7	- 1	- 9	-14	-14	-11	- 7	- 5	- 4	- 8	- 5	- 2	- 2	7.1
SEP	II	+ 1	+ 1	+ 4	+ 5	+10	+ 8	+ 7	+10	+ 9	+ 8	+ 6	+ 1	- 8	- 7	-10	- 8	-10	- 6	- 2	- 4	- 3	- 6	- 4	0	5.7
OCT	II	+ 3	+ 4	+ 4	+ 4	+ 5	+ 6	+ 8	+ 9	+ 6	+ 4	0	- 5	- 9	-10	-10	- 6	- 4	- 3	- 4	- 3	- 2	- 1	0	+ 2	4.7
NOV	I	+ 3	+ 7	+ 8	+ 5	+ 6	+ 8	+ 9	+ 7	+ 2	- 2	- 5	- 7	- 6	- 6	- 8	- 6	- 6	- 5	- 4	- 2	- 3	- 1	0	+ 4	5.1
DEC	I	0	+ 2	+ 2	+ 2	0	+ 3	+ 5	+ 4	+ 5	+ 6	0	- 5	- 6	- 5	- 3	- 2	- 1	- 1	0	- 1	0	0	0	- 2	2.4
MEANS	I	+ 3.4	+ 4.5	+ 5.2	+ 4.2	+ 3.2	+ 5.2	+ 6.1	+ 3.9	+ 0.8	- 2.0	- 5.5	- 6.8	- 5.2	- 4.2	- 3.2	- 1.7	- 1.7	- 2.9	- 2.6	- 1.7	- 1.4	- 0.4	+ 0.5	+ 1.7	3.3
	II	+ 2.8	+ 4.2	+ 4.8	+ 6.0	+ 8.0	+ 7.1	+ 7.4	+ 8.1	+ 4.2	+ 0.5	- 1.3	- 3.8	- 7.3	- 7.3	- 7.7	- 6.4	- 5.2	- 4.8	- 3.2	- 2.9	- 1.2	- 1.1	- 1.2	+ 0.4	4.5
	III	- 1.4	+ 1.1	+ 3.0	+ 4.3	+ 6.2	+ 7.3	+ 8.7	+ 11.0	+12.8	+11.4	+ 7.8	+ 3.2	- 2.4	- 7.4	-12.6	-13.3	- 9.9	- 4.5	- 3.6	- 4.5	- 5.7	- 5.1	- 3.4	- 3.0	6.4
	YEAR	+ 1.6	+ 3.2	+ 4.4	+ 4.8	+ 5.8	+ 6.6	+ 7.4	+ 7.7	+ 5.9	+ 3.4	+ 0.3	- 2.5	- 5.0	- 6.3	- 7.8	- 7.2	- 5.5	- 4.1	- 3.2	- 3.0	- 2.8	- 2.2	- 1.3	- 0.3	4.3

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 8	- 6	- 2	0	- 2	0	+ 2	+ 2	- 1	- 2	- 4	- 3	+ 1	+ 2	+ 3	+ 4	+ 4	+ 2	+ 1	+ 1	0	+ 1	+ 3	+ 3	2.3
FEB	I	0	0	+ 6	+ 6	+ 2	+ 3	+ 4	+ 3	- 1	- 5	- 7	- 6	- 4	- 2	- 2	+ 1	0	- 2	- 2	0	+ 2	+ 1	+ 2	+ 2	2.7
MAR	II	+ 4	+ 4	+ 6	+ 6	+ 6	+ 3	+ 2	0	- 2	- 5	- 6	- 5	- 7	- 7	- 5	- 4	- 3	- 2	+ 2	+ 3	+ 2	+ 2	+ 2	+ 4	3.8
APR	II	- 2	0	+ 2	+ 3	+ 4	+ 4	+ 4	+ 5	+ 2	- 2	- 4	- 5	- 7	-10	-10	- 8	- 2	+ 2	+ 4	+ 3	+ 4	+ 3	+ 3	+ 4	4.0
MAY	III	- 4	- 1	0	0	+ 3	+ 4	+ 4	+ 9	+12	+10	+ 3	- 4	- 7	-11	-12	- 8	- 3	+ 1	+ 1	+ 1	0	0	0	+ 1	4.1
JUN	III	- 6	- 4	- 3	- 2	+ 1	+ 2	+ 3	+ 5	+ 8	+10	+ 6	+ 1	- 2	- 5	- 8	- 7	- 1	+ 2	+ 1	+ 1	0	- 1	- 1	- 1	3.3
JUL	III	- 2	0	0	+ 1	+ 2	+ 3	+ 6	+ 9	+11	+11	+ 9	+ 1	- 4	-10	-14	-13	- 8	- 1	+ 1	0	- 1	- 2	0	0	4.6
AUG	III	- 4	- 3	- 1	0	+ 1	+ 4	+ 6	+ 9	+13	+12	+ 9	+ 3	- 4	-10	-16	-14	- 8	- 1	+ 2	+ 2	+ 1	0	- 1	- 1	5.2
SEP	II	- 6	- 4	- 2	- 1	+ 1	+ 4	+ 5	+ 6	+ 8	+10	+10	+ 8	0	- 8	-11	-10	- 6	- 2	0	0	- 1	- 1	0	0	4.4
OCT	II	- 1	0	+ 4	+ 2	+ 3	+ 5	+ 6	+ 5	+ 2	0	- 3	- 6	-10	- 9	- 6	- 1	+ 1	0	0	0	+ 1	+ 2	+ 2	+ 3	3.0
NOV	I	- 7	- 4	- 2	- 2	0	+ 3	+ 5	+ 7	+ 5	+ 3	0	- 3	- 5	- 8	- 6	- 2	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 3	3.2
DEC	I	- 4	- 1	- 1	- 2	- 2	- 1	+ 4	+ 4	+ 7	+ 8	+ 6	+ 1	- 2	- 4	- 4	- 3	- 2	- 1	0	0	0	- 1	- 1	- 1	2.5
MEANS	I	- 4.9	- 2.6	+ 0.2	+ 0.4	- 0.6	+ 1.0	+ 3.9	+ 4.2	+ 2.5	+ 0.8	- 1.4	- 2.8	- 2.4	- 3.0	- 2.2	- 0.4	+ 0.7	+ 0.2	+ 0.2	+ 0.5	+ 0.8	+ 0.7	+ 1.6	+ 1.7	1.7
	II	- 0.8	- 0.3	+ 2.2	+ 2.5	+ 3.6	+ 4.0	+ 4.2	+ 4.0	+ 2.7	+ 0.8	- 0.9	- 2.0	- 5.8	- 8.4	- 8.0	- 5.6	- 2.6	- 0.4	+ 1.4	+ 1.5	+ 1.7	+ 1.5	+ 1.9	+ 2.9	2.9
	III	- 3.9	- 2.1	- 0.8	- 0.2	+ 1.6	+ 3.4	+ 4.8	+ 8.1	+11.0	+10.5	+ 6.6	+ 0.2	- 4.4	- 9.1	-12.2	-10.5	- 5.0	+ 0.4	+ 1.4	+ 0.9	0.0	- 0.4	- 0.4	- 0.1	4.1
	YEAR	- 3.2	- 1.7	+ 0.5	+ 0.9	+ 1.5	+ 2.8	+ 4.3	+ 5.5	+ 5.4	+ 4.0	+ 1.4	- 1.5	- 4.2	- 6.8	- 7.4	- 5.5	- 2.3	+ 0.1	+ 1.0	+ 1.0	+ 0.8	+ 0.6	+ 1.0	+ 1.5	2.7

TABLE 391--CONCLUDED

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 6	- 8	-11	- 7	0	0	+ 2	+ 1	+ 2	+ 1	- 2	- 4	- 4	- 4	- 3	- 2	- 3	- 1	+ 3	+ 5	+ 6	+ 9	+12	+12	4.6
FEB	I	- 2	- 7	- 8	- 8	- 4	- 3	- 3	0	+ 1	- 1	0	+ 1	+ 2	0	+ 1	0	0	0	+ 7	+ 7	+ 4	+ 4	+ 6	+ 5	3.1
MAR	II	- 5	- 7	- 6	- 5	- 7	- 9	- 6	- 5	- 6	- 4	- 1	0	+ 1	+ 2	+ 3	+ 3	+ 4	+ 4	+ 6	+ 6	+ 7	+ 8	+ 9	+ 8	5.1
APR	II	+ 4	0	- 6	- 7	-10	-12	-13	-10	- 4	+ 1	+ 2	+ 1	+ 2	+ 2	+ 1	+ 1	+ 2	+ 3	+ 6	+ 6	+ 6	+ 7	+ 9	+10	5.2
MAY	III	+ 9	+ 6	- 3	- 9	-12	-14	-14	-10	- 5	+ 1	+ 2	0	0	0	- 1	0	+ 1	+ 2	+ 4	+ 4	+ 6	+ 9	+11	+15	5.8
JUN	III	+ 7	+11	+ 7	+ 1	- 2	- 5	- 8	- 7	- 3	0	- 1	- 2	- 2	- 2	- 2	- 2	- 1	0	0	0	0	+ 2	+ 3	+ 6	3.3
JUL	III	+12	+12	+ 9	+ 3	- 6	-11	-14	-13	- 7	- 1	+ 2	+ 1	- 2	- 3	- 2	- 2	- 1	+ 1	0	+ 1	+ 3	+ 4	+ 6	+ 9	5.1
AUG	III	+12	+10	+ 5	- 2	- 9	-14	-18	-17	-10	- 3	+ 1	0	0	- 1	- 2	- 1	- 1	0	+ 3	+ 5	+ 6	+ 9	+12	+15	6.5
SEP	II	+ 8	+10	+10	+ 6	- 2	-12	-16	-13	- 9	- 4	- 3	- 3	- 2	- 2	- 2	- 2	- 2	+ 1	+ 1	+ 2	+ 4	+ 6	+ 9	+14	6.0
OCT	II	+ 5	+ 3	- 4	-11	-16	-12	- 7	- 3	- 2	- 1	0	0	+ 1	0	+ 1	+ 2	+ 2	+ 2	+ 4	+ 5	+ 9	+ 3	+10	+10	4.7
NOV	I	+ 6	+ 2	- 4	- 7	- 9	-12	-11	- 6	- 1	- 2	- 4	- 4	- 2	- 2	- 2	- 1	- 2	+ 1	+ 3	+ 5	+ 8	+10	+16	+17	5.8
DEC	I	+ 4	+ 5	+ 2	- 2	- 2	- 2	- 3	- 3	0	0	- 1	- 1	- 2	- 2	- 3	- 3	- 4	- 2	0	- 1	0	+ 3	+10	+ 8	2.7
MEANS	I	+ 0.3	- 2.0	- 5.2	- 6.2	- 3.7	- 4.3	- 3.9	- 1.9	+ 0.5	- 0.6	- 1.9	- 2.0	- 1.4	- 2.2	- 1.9	- 1.4	- 2.1	- 0.5	+ 3.2	+ 3.9	+ 4.5	+ 6.4	+11.1	+10.7	3.4
	II	+ 3.0	+ 1.6	- 1.4	- 4.3	- 9.0	-11.4	-10.5	- 7.8	- 5.2	- 2.2	- 0.6	- 0.6	+ 0.6	+ 0.4	+ 0.6	+ 1.0	+ 1.6	+ 2.6	+ 4.1	+ 4.7	+ 6.6	+ 6.1	+ 9.1	+10.6	4.4
	III	+10.0	+ 9.6	+ 4.6	- 1.7	- 7.0	-11.2	-13.6	-11.8	- 6.2	- 0.8	+ 0.7	- 0.3	- 1.0	- 1.6	- 1.9	- 1.3	- 0.6	+ 0.8	+ 1.8	+ 2.4	+ 3.8	+ 6.0	+ 8.0	+11.3	4.9
	YEAR	+ 4.4	+ 3.1	- 0.7	- 4.1	- 6.6	- 8.9	- 9.3	- 7.2	- 3.6	- 1.2	- 0.6	- 0.9	- 0.6	- 1.1	- 1.0	- 0.6	- 0.4	+ 1.0	+ 3.1	+ 3.7	+ 4.9	+ 6.2	+ 9.4	+10.9	3.9

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	0	- 1	0	0	- 1	+ 2	+ 1	+ 3	- 2	0	+ 2	0	+ 2	- 5	- 1	+20	+ 2	0	- 4	- 5	- 4	- 3	- 9	2.9
FEB	I	- 5	- 6	- 8	- 5	+ 1	+ 2	+ 2	+ 3	- 4	- 8	-11	- 4	- 1	+ 3	+ 5	+ 2	+ 8	+17	+12	+ 4	0	+ 6	- 3	-10	5.4
MAR	II	+33	+14	+15	+16	+18	+34	+38	+32	+20	- 8	-18	-13	+12	+12	-27	-46	-33	-21	-38	-13	- 3	- 6	- 9	-11	20.4
APR	II	+11	+ 3	+ 2	0	+ 2	- 9	-13	- 9	- 3	-15	-17	-12	-10	- 6	+ 1	0	+ 2	+11	+18	+11	+11	+ 6	+ 6	+ 9	7.8
MAY	III	+28	+21	+15	+ 5	- 5	-18	-23	-25	-24	-21	-11	-11	-11	-10	- 5	0	+ 3	+ 7	+ 9	+12	+14	+15	+16	+19	13.6
JUN	III	+21	+18	+14	+14	+10	+ 2	-11	-20	-26	-24	-22	-10	- 8	+ 1	- 2	- 3	- 1	0	+ 5	+ 5	+ 7	+11	+ 9	+ 9	10.5
JUL	III	+40	+30	+18	+29	+32	+29	+ 6	-12	-19	-20	-23	-42	-40	-46	-34	-24	-12	+ 2	+ 6	+16	+18	+11	+16	+21	22.8
AUG	III	+25	+21	+26	+27	+12	0	- 1	- 6	-12	-17	-22	-12	-29	-22	- 8	- 8	- 7	- 1	0	0	+12	+ 6	+ 6	+ 6	11.9
SEP	II	+ 9	+ 3	-14	- 8	-24	+ 7	+12	+10	- 9	- 6	+ 8	- 3	- 7	-20	-13	- 3	+ 2	- 6	+ 3	+14	+34	+11	+ 2	0	9.5
OCT	II	+19	+17	+ 8	+ 1	- 3	- 7	-18	-12	- 6	- 3	- 8	- 6	- 4	- 4	+ 1	+ 3	+10	+ 9	+ 3	- 5	+ 4	+ 9	0	- 8	7.1
NOV	I	+18	+ 7	+ 5	+ 2	- 2	- 3	- 9	-12	-18	-15	- 5	- 5	- 6	- 4	+ 4	+ 2	+ 3	+12	+16	+ 2	+ 4	+ 3	+ 3	- 1	6.7
DEC	I	+ 2	+ 7	+ 5	+ 2	- 3	- 5	0	- 4	- 2	0	+ 6	- 3	+ 1	+ 1	- 2	-10	- 6	+ 1	- 1	+ 5	- 1	+ 4	+ 3	0	3.1
MEANS	I	+ 4.2	+ 2.2	+ 0.4	- 0.2	- 1.1	- 1.8	- 1.3	- 3.2	- 5.0	- 6.4	- 2.4	- 2.8	- 1.7	+ 0.6	+ 0.4	- 1.8	+ 6.2	+ 8.2	+ 6.8	+ 1.9	- 0.4	+ 2.4	0.0	- 5.2	2.8
	II	+18.3	+ 9.1	+ 2.8	+ 2.2	- 1.8	+ 6.3	+ 4.4	+ 5.3	+ 0.4	- 7.8	- 8.8	- 8.6	- 2.3	- 4.3	- 9.4	-11.5	- 4.7	- 1.8	- 3.6	+ 1.8	+11.4	+ 5.0	- 0.1	- 2.5	5.6
	III	+28.4	+22.7	+17.9	+18.4	+12.2	+ 3.3	- 7.1	-15.9	-20.3	-20.2	-19.3	-18.7	-21.8	-19.0	-12.0	- 8.7	- 4.3	+ 2.2	+ 5.0	+ 8.0	+12.6	+10.9	+11.7	+13.9	13.9
	YEAR	+16.9	+11.3	+ 7.0	+ 6.8	+ 3.1	+ 2.6	- 1.3	- 4.6	- 8.3	-11.5	-10.2	-10.0	- 8.6	- 7.6	- 7.0	- 7.3	- 0.9	+ 2.9	+ 2.8	+ 3.9	+ 7.9	+ 6.1	+ 3.9	+ 2.1	6.4

TABLE 392

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 4	+ 2	+ 1	+ 2	+ 1	+ 3	+ 4	+ 1	- 3	- 5	- 8	- 6	- 3	- 1	+ 2	+ 3	+ 3	+ 1	0	0	0	+ 1	0	- 1	2.4
FEB	I	+ 6	+ 7	+10	+ 8	+ 5	+ 6	+ 4	0	- 6	-10	-12	- 9	- 4	- 1	- 1	+ 2	0	- 4	- 5	- 3	- 1	- 1	+ 3	+ 5	4.7
MAR	II	+ 5	+ 7	+ 4	+ 7	+ 9	+ 7	+ 7	+ 6	- 4	-10	- 9	- 7	- 6	- 2	0	0	- 1	- 4	- 4	- 2	+ 1	+ 2	- 2	- 2	4.6
APR	II	+ 2	+ 4	+ 7	+ 8	+ 8	+ 8	+ 7	+ 7	+ 3	- 3	- 5	- 6	- 6	- 8	- 9	- 8	- 4	- 4	- 2	- 2	- 1	0	0	+ 2	4.8
MAY	III	0	+ 2	+ 4	+ 5	+ 7	+ 8	+ 9	+12	+13	+ 9	+ 4	- 2	- 7	-12	-15	-14	- 8	- 3	- 1	- 3	- 4	- 3	- 2	- 2	6.2
JUN	III	- 2	- 1	+ 2	+ 3	+ 4	+ 6	+ 8	+ 9	+11	+10	+ 6	+ 1	- 2	- 6	-10	-10	- 6	- 2	- 4	- 3	- 4	- 3	- 4	- 3	4.9
JUL	III	- 3	+ 2	+ 4	+ 5	+ 7	+ 8	+10	+13	+15	+13	+ 8	+ 5	+ 1	- 2	- 9	-13	-12	- 6	- 5	- 8	- 9	-10	- 7	- 6	7.5
AUG	III	- 2	+ 1	+ 3	+ 5	+ 7	+ 8	+ 9	+12	+12	+12	+10	+ 6	- 2	- 9	-14	-14	-10	- 7	- 5	- 4	- 8	- 6	- 2	- 3	7.0
SEP	II	0	+ 1	+ 3	+ 5	+10	+ 8	+ 8	+10	+ 8	+ 7	+ 4	0	- 8	- 6	- 9	- 7	- 9	- 5	- 2	- 4	- 3	- 6	- 4	- 1	5.3
OCT	II	+ 3	+ 4	+ 4	+ 4	+ 5	+ 6	+ 8	+ 8	+ 5	+ 2	- 1	- 6	- 9	- 9	- 8	- 4	- 3	- 2	- 3	- 2	- 2	- 1	0	+ 2	4.2
NOV	I	+ 3	+ 7	+ 8	+ 5	+ 7	+ 8	+ 9	+ 6	+ 1	- 4	- 6	- 8	- 6	- 5	- 6	- 4	- 4	- 4	- 3	- 2	- 2	- 1	0	+ 4	4.7
DEC	I	0	+ 2	+ 2	+ 2	0	+ 3	+ 4	+ 3	+ 3	+ 3	- 2	- 6	- 5	- 4	- 1	0	0	0	0	- 1	0	0	- 1	- 2	1.8
MEANS	I	+ 3.2	+ 4.4	+ 5.1	+ 4.2	+ 3.2	+ 4.9	+ 5.2	+ 2.4	- 1.2	- 4.0	- 6.9	- 7.2	- 4.5	- 2.8	- 1.4	0.0	- 0.4	- 1.9	- 2.0	- 1.2	- 1.0	- 0.3	+ 0.6	+ 1.5	2.9
	II	+ 2.6	+ 3.9	+ 4.7	+ 6.0	+ 8.1	+ 7.2	+ 7.3	+ 7.6	+ 3.0	- 0.9	- 2.5	- 4.6	- 7.3	- 6.4	- 6.3	- 5.0	- 4.0	- 3.9	- 2.8	- 2.7	- 1.1	- 1.2	- 1.5	+ 0.1	4.2
	III	- 1.7	+ 0.9	+ 3.0	+ 4.4	+ 6.4	+ 7.5	+ 8.9	+11.3	+12.8	+10.9	+ 7.1	+ 2.6	- 2.6	- 7.2	-12.0	-12.4	- 9.2	- 4.2	- 3.5	- 4.6	- 6.0	- 5.4	- 3.7	- 3.4	6.3
	YEAR	+ 1.4	+ 3.0	+ 4.2	+ 4.8	+ 5.9	+ 6.5	+ 7.1	+ 7.1	+ 4.9	+ 2.0	- 0.8	- 3.1	- 4.8	- 5.5	- 6.6	- 5.8	- 4.5	- 3.4	- 2.8	- 2.8	- 2.7	- 2.3	- 1.6	- 0.6	3.9

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 8	- 6	- 2	- 1	- 2	- 1	+ 1	+ 1	- 3	- 4	- 5	- 3	+ 2	+ 3	+ 4	+ 5	+ 5	+ 3	+ 2	+ 1	+ 1	+ 1	+ 3	+ 3	2.9
FEB	I	0	0	+ 6	+ 6	+ 2	+ 2	+ 3	+ 2	- 3	- 8	- 8	- 7	- 4	- 1	0	+ 2	+ 2	- 1	- 1	0	+ 2	+ 1	+ 2	+ 2	2.8
MAR	II	+ 4	+ 3	+ 5	+ 6	+ 6	+ 3	+ 2	- 1	- 3	- 7	- 7	- 6	- 7	- 6	- 3	- 2	- 2	- 2	+ 2	+ 3	+ 3	+ 2	+ 2	+ 4	3.8
APR	II	- 2	0	+ 2	+ 4	+ 4	+ 4	+ 4	+ 5	+ 2	- 3	- 6	- 6	- 7	- 9	- 9	- 7	- 1	+ 2	+ 4	+ 3	+ 4	+ 3	+ 3	+ 4	4.0
MAY	III	- 4	- 1	0	0	+ 3	+ 4	+ 4	+ 9	+11	+ 9	+ 2	- 4	- 7	-10	-11	- 8	- 3	+ 2	+ 2	+ 1	0	0	0	0	4.0
JUN	III	- 6	- 4	- 3	- 1	+ 1	+ 2	+ 3	+ 6	+ 8	+ 9	+ 5	0	- 2	- 5	- 7	- 6	- 1	+ 3	+ 1	+ 1	0	- 1	- 1	- 1	3.2
JUL	III	- 2	0	+ 1	+ 1	+ 2	+ 4	+ 6	+ 9	+11	+10	+ 8	0	- 5	-10	-13	-12	- 7	- 1	+ 1	0	- 2	- 2	0	0	4.5
AUG	III	- 5	- 3	0	+ 1	+ 1	+ 4	+ 7	+10	+13	+11	+ 8	+ 2	- 5	-10	-15	-13	- 7	- 1	+ 2	+ 2	+ 1	0	- 1	- 1	5.0
SEP	II	- 6	- 4	- 2	0	+ 2	+ 4	+ 5	+ 6	+ 8	+ 9	+ 8	+ 6	0	- 8	-11	- 9	- 5	- 1	0	0	- 1	- 1	0	0	4.1
OCT	II	- 1	0	+ 4	+ 2	+ 3	+ 5	+ 6	+ 4	0	- 2	- 5	- 6	- 9	- 8	- 4	+ 1	+ 2	+ 1	+ 1	0	+ 1	+ 2	+ 2	+ 3	3.0
NOV	I	- 7	- 4	- 2	- 2	0	+ 2	+ 4	+ 6	+ 3	+ 1	- 1	- 4	- 5	- 7	- 4	- 1	+ 2	+ 3	+ 2	+ 2	+ 2	+ 2	+ 3	+ 3	3.1
DEC	I	- 4	- 1	- 1	- 2	- 2	- 1	+ 4	+ 3	+ 5	+ 6	+ 4	0	- 2	- 2	- 2	- 2	- 1	0	0	0	0	- 1	- 1	- 1	1.9
MEANS	I	- 5.0	- 2.7	+ 0.2	+ 0.4	- 0.6	+ 0.7	+ 3.0	+ 2.8	+ 0.6	- 1.1	- 2.8	- 3.3	- 2.0	- 1.8	- 0.6	+ 1.1	+ 1.9	+ 1.1	+ 0.8	+ 1.0	+ 1.2	+ 1.0	+ 1.8	+ 1.7	1.6
	II	- 1.0	- 0.4	+ 2.2	+ 2.5	+ 3.8	+ 4.1	+ 4.1	+ 3.5	+ 1.5	- 0.8	- 2.4	- 2.8	- 5.8	- 7.7	- 6.8	- 4.4	- 1.6	+ 0.2	+ 1.8	+ 1.8	+ 1.9	+ 1.6	+ 1.9	+ 2.9	2.8
	III	- 4.0	- 2.1	- 0.7	0.0	+ 1.8	+ 3.6	+ 5.0	+ 8.3	+10.8	+ 9.8	+ 5.7	- 0.6	- 4.8	- 8.9	-11.6	- 9.7	- 4.3	+ 0.7	+ 1.5	+ 0.9	- 0.1	- 0.6	- 0.6	- 0.2	4.0
	YEAR	- 3.3	- 1.7	+ 0.6	+ 1.0	+ 1.6	+ 2.8	+ 4.0	+ 4.8	+ 4.3	+ 2.6	+ 0.2	- 2.2	- 4.2	- 6.2	- 6.3	- 4.3	- 1.4	+ 0.7	+ 1.4	+ 1.2	+ 1.0	+ 0.6	+ 1.0	+ 1.5	2.5

TABLE 392--CONCLUDED

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 9	-10	-12	- 7	+ 1	+ 2	+ 3	+ 3	+ 3	+ 1	- 2	- 3	- 3	- 4	- 3	- 2	- 3	- 1	+ 2	+ 5	+ 6	+ 9	+11	+11	4.9
FEB	I	- 4	- 9	-10	- 8	- 3	- 2	- 2	+ 2	+ 2	0	0	+ 1	+ 3	0	+ 1	0	0	0	+ 7	+ 7	+ 3	+ 3	+ 5	+ 3	3.2
MAR	II	- 6	- 8	- 7	- 5	- 7	- 8	- 5	- 4	- 4	- 4	0	0	+ 2	+ 2	+ 3	+ 3	+ 4	+ 4	+ 6	+ 6	+ 7	+ 7	+ 8	+ 7	5.0
APR	II	+ 3	- 2	- 7	- 8	-10	-11	-12	- 9	- 3	+ 1	+ 2	+ 1	+ 2	+ 2	+ 1	+ 1	+ 2	+ 3	+ 6	+ 6	+ 6	+ 7	+ 8	+10	5.1
MAY	III	+ 9	+ 5	- 4	-10	-12	-14	-14	- 9	- 5	+ 1	+ 2	0	0	- 1	- 1	0	+ 1	+ 2	+ 4	+ 4	+ 6	+ 9	+11	+15	5.7
JUN	III	+ 7	+10	+ 7	+ 1	- 2	- 5	- 8	- 7	- 2	0	- 1	- 2	- 2	- 3	- 2	- 2	- 2	0	0	0	0	+ 2	+ 3	+ 6	3.2
JUL	III	+11	+11	+ 8	+ 2	- 7	-11	-13	-12	- 6	- 1	+ 2	+ 1	- 2	- 3	- 3	- 2	- 1	+ 1	0	+ 1	+ 3	+ 5	+ 6	+ 9	5.0
AUG	III	+12	+ 9	+ 4	- 3	- 9	-14	-18	-16	- 9	- 2	+ 1	0	0	- 1	- 2	- 1	- 1	0	+ 4	+ 5	+ 6	+ 9	+12	+15	6.4
SEP	II	+ 8	+ 9	+ 8	+ 4	- 3	-12	-15	-12	- 8	- 4	- 2	- 3	- 1	- 2	- 2	- 2	- 2	+ 1	+ 1	+ 2	+ 4	+ 7	+10	+14	5.7
OCT	II	+ 3	+ 1	- 6	-12	-16	-11	- 5	- 1	- 1	0	0	+ 1	+ 1	0	+ 1	+ 2	+ 2	+ 3	+ 4	+ 5	+ 9	+ 3	+10	+ 9	4.4
NOV	I	+ 5	0	- 6	- 8	-10	-11	-10	- 5	0	- 1	- 3	- 3	- 2	- 2	- 2	0	- 1	+ 1	+ 4	+ 5	+ 8	+10	+16	+16	5.4
DEC	I	+ 1	+ 3	0	- 3	- 2	- 1	- 1	- 1	+ 1	+ 1	0	- 1	- 1	- 2	- 3	- 3	- 4	- 2	0	- 1	0	+ 2	+ 9	+ 7	2.1
MEANS	I	- 1.8	- 4.1	- 6.7	- 6.7	- 3.3	- 3.1	- 2.3	- 0.4	+ 1.8	+ 0.3	- 1.2	- 1.4	- 0.9	- 1.9	- 1.7	- 1.4	- 2.0	- 0.4	+ 3.3	+ 3.9	+ 4.4	+ 6.0	+10.2	+ 9.2	3.3
	II	+ 1.9	+ 0.1	- 2.8	- 5.2	- 9.1	-10.7	- 9.4	- 6.6	- 4.2	- 1.6	- 0.2	- 0.3	+ 0.8	+ 0.6	+ 0.8	+ 1.0	+ 1.6	+ 2.6	+ 4.2	+ 4.7	+ 6.6	+ 6.1	+ 9.0	+10.0	4.2
	III	+ 9.7	+ 8.9	+ 3.6	- 2.5	- 7.4	-11.0	-13.0	-11.0	- 5.5	- 0.5	+ 0.8	- 0.3	- 1.1	- 1.8	- 2.0	- 1.4	- 0.6	+ 0.8	+ 2.0	+ 2.6	+ 4.0	+ 6.2	+ 8.1	+11.4	4.8
	YEAR	+ 3.3	+ 1.6	- 2.0	- 4.8	- 6.6	- 8.3	- 8.2	- 6.0	- 2.7	- 0.6	- 0.2	- 0.7	- 0.4	- 1.0	- 1.0	- 0.6	- 0.3	+ 1.0	+ 3.1	+ 3.7	+ 5.0	+ 6.1	+ 9.1	+10.2	3.6

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 1	- 1	- 2	0	+ 1	+ 1	+ 4	+ 3	+ 5	- 1	+ 1	+ 2	0	+ 2	- 5	- 2	+20	+ 2	0	- 4	- 5	- 4	- 5	-11	3.4
FEB	I	- 7	- 8	- 9	- 6	+ 2	+ 3	+ 4	+ 5	- 2	- 7	-10	- 4	- 1	+ 2	+ 4	+ 2	+ 8	+17	+12	+ 4	0	+ 6	- 4	-11	5.7
MAR	II	+32	+12	+14	+16	+19	+36	+40	+35	+22	- 6	-18	-13	+12	+11	-28	-47	-34	-23	-40	-13	- 3	- 6	- 9	-11	20.8
APR	II	+10	+ 1	+ 1	0	+ 2	- 8	-12	- 7	- 2	-14	-16	-12	-10	- 6	0	- 1	+ 2	+11	+18	+11	+11	+ 6	+ 6	+ 8	7.5
MAY	III	+28	+21	+14	+ 4	- 5	-18	-22	-24	-23	-20	-11	-11	-12	-10	- 5	- 1	+ 3	+ 7	+ 9	+12	+15	+16	+16	+19	13.6
JUN	III	+22	+19	+14	+13	+10	+ 2	-10	-19	-25	-23	-22	-10	- 8	0	- 3	- 4	- 2	0	+ 4	+ 5	+ 7	+11	+ 9	+10	10.5
JUL	III	+40	+31	+17	+28	+32	+30	+ 8	-11	-18	-19	-24	-44	-41	-46	-34	-25	-13	+ 2	+ 6	+16	+18	+11	+16	+21	23.0
AUG	III	+25	+21	+25	+26	+12	+ 1	0	- 4	-10	-15	-21	-12	-29	-22	- 9	- 9	- 8	- 2	- 1	- 1	+11	+ 6	+ 7	+ 7	11.9
SEP	II	+ 9	+ 2	-15	- 9	-25	+ 8	+13	+12	- 7	- 5	+ 8	- 4	- 7	-21	-14	- 3	+ 2	- 8	+ 2	+12	+34	+11	+ 3	+ 1	9.8
OCT	II	+18	+15	+ 6	0	- 3	- 5	-16	-10	- 5	- 1	- 7	- 6	- 4	- 4	+ 1	+ 3	+10	+ 8	+ 2	- 5	+ 4	+ 9	0	- 9	6.4
NOV	I	+16	+ 5	+ 4	+ 2	- 1	- 1	- 6	-10	-16	-14	- 5	- 5	- 7	- 4	+ 3	+ 1	+ 2	+12	+16	+ 2	+ 4	+ 3	+ 2	- 3	6.0
DEC	I	+ 1	+ 5	+ 4	+ 2	- 2	- 4	+ 2	- 2	0	+ 2	+ 7	- 3	+ 1	+ 1	- 3	-11	- 6	+ 1	- 1	+ 5	- 1	+ 3	+ 2	- 2	3.0
MEANS	I	+ 2.2	+ 0.4	- 0.7	- 0.3	- 0.2	- 0.2	+ 0.8	- 1.2	- 3.3	- 5.1	- 1.7	- 2.2	- 1.5	+ 0.1	- 0.2	- 2.4	+ 5.8	+ 7.7	+ 6.4	+ 1.7	- 0.5	+ 2.0	- 1.1	- 6.8	2.3
	II	+17.1	+ 7.8	+ 1.6	+ 1.6	- 1.5	+ 7.6	+ 6.2	+ 7.4	+ 2.2	- 6.6	- 8.2	- 8.6	- 2.3	- 5.0	-10.3	-12.2	- 5.1	- 3.0	- 4.4	+ 1.4	+11.6	+ 5.1	0.0	- 2.6	5.8
	III	+28.6	+22.8	+17.6	+18.2	+12.2	+ 3.8	- 6.1	-14.6	-19.2	-19.5	-19.4	-19.0	-22.5	-19.6	-13.0	- 9.6	- 5.0	+ 1.7	+ 4.6	+ 7.8	+12.8	+11.0	+12.2	+14.2	14.0
	YEAR	+15.9	+10.3	+ 6.2	+ 6.5	+ 3.5	+ 3.8	+ 0.3	- 2.8	- 6.8	-10.4	- 9.8	-10.0	- 8.8	- 8.2	- 7.8	- 8.1	- 1.4	+ 2.2	+ 2.2	+ 3.6	+ 8.0	+ 6.0	+ 3.7	+ 1.6	6.2

TABLE 393

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 5	- 5	- 4	- 2	- 5	-12	-23	-33	-37	-31	-17	+ 3	+17	+26	+30	+28	+22	+17	+13	+11	+ 8	+ 3	- 1	- 2	14.8
FEB	I	- 1	- 2	- 2	0	- 1	- 4	-15	-28	-37	-39	-26	- 8	+12	+27	+33	+32	+26	+18	+10	+ 8	+ 4	- 1	- 3	- 3	14.2
MAR	II	- 4	- 9	- 7	0	- 2	+ 3	- 1	-10	-25	-29	-25	-14	+ 3	+18	+26	+31	+27	+20	+ 8	+ 6	+ 1	- 4	- 5	- 7	11.9
APR	II	- 3	- 2	+ 1	+ 1	+ 3	+ 2	- 1	- 9	-19	-22	-17	- 6	+ 6	+15	+20	+18	+14	+ 8	+ 6	+ 2	- 2	- 4	- 6	- 4	8.1
MAY	III	- 5	- 4	- 1	+ 2	+ 3	+ 1	+ 3	+ 1	- 6	-12	-13	- 9	0	+ 7	+15	+18	+15	+ 7	+ 2	- 1	- 4	- 6	- 7	- 7	6.2
JUN	III	- 4	- 2	0	+ 2	+ 3	+ 2	+ 3	+ 6	+ 2	- 4	- 8	- 7	- 3	+ 4	+10	+14	+10	+ 2	0	- 3	- 6	- 7	- 7	- 6	4.8
JUL	III	- 3	- 1	+ 1	+ 4	+ 5	+ 4	+ 3	+ 2	- 1	- 9	-14	-13	- 5	+ 4	+13	+17	+12	+ 8	- 1	- 4	- 6	- 3	- 6	- 7	6.0
AUG	III	- 6	- 4	- 3	- 1	0	+ 3	+ 7	+ 7	0	- 9	-16	-17	-10	0	+ 9	+18	+19	+13	+ 5	+ 2	0	- 5	- 7	- 6	7.0
SEP	II	- 4	- 7	- 3	- 4	+ 4	+ 4	+ 6	0	-12	-20	-23	-21	- 8	+ 8	+19	+24	+24	+14	+ 8	+ 2	+ 3	- 4	- 6	- 4	9.7
OCT	II	- 2	- 2	0	+ 1	0	- 3	-10	-18	-29	-35	-32	-16	+ 4	+22	+32	+32	+24	+17	+ 9	+ 6	+ 4	+ 1	- 1	- 2	12.6
NOV	I	- 4	- 3	- 2	0	+ 3	- 3	-13	-24	-32	-34	-25	-10	+ 9	+24	+33	+31	+24	+15	+ 8	+ 8	+ 4	0	- 3	- 5	13.2
DEC	I	- 2	- 2	- 2	- 1	- 1	- 6	-15	-25	-35	-38	-30	-11	+ 9	+23	+31	+32	+26	+20	+14	+10	+ 7	+ 2	- 2	- 5	14.5
MEANS	I	- 3.0	- 3.2	- 2.3	- 1.0	- 1.0	- 6.0	-16.6	-27.7	-35.4	-35.5	-24.4	- 6.3	+11.7	+25.0	+31.6	+30.8	+24.4	+17.3	+11.1	+ 9.2	+ 6.0	+ 1.0	- 2.0	- 3.7	14.0
	II	- 3.4	- 4.9	- 2.5	- 0.4	+ 1.4	+ 1.5	- 1.3	- 9.0	-21.4	-26.8	-24.5	-14.3	+ 1.3	+16.0	+24.4	+26.2	+22.2	+14.7	+ 7.6	+ 4.1	+ 1.5	- 2.9	- 4.8	- 4.4	10.1
	III	- 4.6	- 2.4	- 0.9	+ 1.6	+ 2.8	+ 2.6	+ 3.9	+ 3.8	- 1.1	- 8.4	-13.0	-11.4	- 4.6	+ 3.6	+11.8	+16.9	+14.2	+ 7.7	+ 1.5	- 1.4	- 4.0	- 5.2	- 6.8	- 6.4	5.9
	YEAR	- 3.6	- 3.5	- 1.9	+ 0.1	+ 1.0	- 0.6	- 4.7	-11.0	-19.3	-23.6	-20.6	-10.7	+ 2.8	+14.9	+22.6	+24.6	+20.2	+13.2	+ 6.7	+ 4.0	+ 1.2	- 2.4	- 4.5	- 4.8	9.3

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 5	- 3	- 1	- 3	- 3	-10	-20	-32	-37	-32	-18	+ 2	+14	+22	+25	+24	+18	+14	+12	+11	+10	+ 6	+ 3	+ 1	13.6
FEB	I	+ 1	0	+ 1	0	0	- 4	-16	-28	-36	-38	-26	- 8	+ 9	+22	+29	+28	+21	+14	+ 9	+ 7	+ 5	+ 4	+ 3	+ 2	12.9
MAR	II	- 1	- 3	- 2	0	- 3	- 1	- 2	-12	-25	-31	-26	-14	+ 4	+17	+23	+24	+20	+12	+ 9	+ 7	+ 5	+ 2	0	0	10.2
APR	II	- 2	+ 1	0	+ 4	+ 4	0	- 1	- 7	-19	-24	-21	-11	+ 3	+14	+18	+16	+12	+ 7	+ 4	+ 2	0	0	- 1	- 1	7.2
MAY	III	- 3	- 4	- 2	+ 2	+ 3	0	+ 2	0	- 7	-14	-15	- 9	+ 1	+ 9	+13	+15	+12	+ 6	+ 3	+ 1	- 2	- 3	- 4	- 3	5.5
JUN	III	- 3	- 1	+ 1	+ 3	+ 4	+ 2	+ 2	+ 4	- 2	- 8	-10	- 8	- 3	+ 4	+10	+12	+ 6	+ 2	0	- 2	- 4	- 4	- 4	- 4	4.4
JUL	III	+ 1	+ 3	+ 4	+ 4	+ 3	+ 3	+ 3	+ 3	- 3	-14	-19	-18	- 9	+ 2	+11	+15	+12	+ 5	+ 2	0	- 2	- 3	- 2	- 1	5.9
AUG	III	- 1	0	+ 1	+ 3	+ 3	+ 4	+ 5	+ 6	- 5	-15	-22	-21	-12	- 1	+ 9	+16	+16	+10	+ 3	+ 2	0	0	0	0	6.5
SEP	II	- 3	- 2	+ 1	+ 2	+ 8	+ 6	+ 3	- 1	-12	-21	-25	-23	-13	0	+12	+18	+18	+12	+ 6	+ 5	+ 3	+ 2	+ 1	+ 1	8.3
OCT	II	- 1	- 1	+ 1	0	+ 1	- 2	- 9	-20	-30	-34	-30	-14	+ 6	+22	+30	+28	+21	+13	+ 8	+ 5	+ 4	+ 2	0	0	11.8
NOV	I	- 6	- 2	0	+ 1	+ 1	- 3	-14	-22	-31	-33	-26	-14	+ 2	+17	+25	+28	+22	+16	+11	+10	+ 9	+ 6	+ 3	0	12.6
DEC	I	0	0	0	0	- 1	- 6	-16	-26	-35	-38	-30	-13	+ 6	+22	+30	+29	+24	+18	+12	+10	+ 8	+ 5	+ 2	- 1	13.8
MEANS	I	- 2.5	- 1.4	0.0	- 0.4	- 0.6	- 5.6	-16.3	-26.9	-34.8	-35.0	-24.9	- 8.3	+ 7.9	+20.9	+27.4	+27.0	+21.1	+15.4	+11.4	+ 9.4	+ 7.8	+ 5.0	+ 2.7	+ 0.5	13.0
	II	- 1.8	- 1.3	+ 0.2	+ 1.4	+ 2.6	+ 0.7	- 2.2	-10.1	-21.6	-27.5	-25.4	-15.2	- 0.1	+13.2	+20.8	+21.6	+17.7	+10.9	+ 6.6	+ 4.6	+ 2.9	+ 1.5	0.0	- 0.1	8.8
	III	- 1.7	- 0.4	+ 1.1	+ 3.0	+ 3.2	+ 2.3	+ 3.1	+ 3.1	- 4.4	-12.7	-16.8	-14.2	- 5.7	+ 3.6	+10.7	+14.6	+12.0	+ 5.7	+ 1.9	- 0.1	- 1.6	- 2.3	- 2.5	- 2.0	5.4
	YEAR	- 2.0	- 1.0	+ 0.4	+ 1.4	+ 1.7	- 0.8	- 5.1	-11.3	-20.3	-25.1	-22.4	-12.6	+ 0.7	+12.6	+19.7	+21.1	+16.9	+10.6	+ 6.5	+ 4.6	+ 3.0	+ 1.4	+ 0.1	- 0.6	8.4

TABLE 393--CONCLUDED

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-45	-38	-22	+ 1	+18	+27	+30	+26	+18	+15	+13	+12	+11	+ 7	+ 5	+ 1	0	0	- 2	- 4	- 9	-12	-21	-31	15.3
FEB	I	-37	-36	-22	- 3	+13	+24	+30	+27	+21	+12	+10	+ 9	+ 5	+ 4	+ 3	+ 2	+ 1	- 2	0	- 2	- 4	- 7	-17	-32	13.4
MAR	II	-24	-29	-24	-12	+ 4	+16	+21	+23	+20	+13	+10	+ 6	+ 5	+ 3	+ 3	+ 2	0	- 1	0	- 2	- 4	- 4	- 8	-18	10.5
APR	II	-17	-22	-20	- 9	+ 4	+14	+18	+17	+13	+ 7	+ 5	+ 2	0	0	- 1	- 1	0	+ 1	+ 2	+ 1	+ 1	- 1	- 3	-12	7.1
MAY	III	-10	-17	-17	-11	+ 1	+ 9	+14	+16	+12	+ 5	+ 2	+ 1	- 1	- 3	- 5	- 4	- 1	- 1	+ 2	+ 2	+ 4	+ 2	+ 1	0	5.9
JUN	III	- 2	- 7	- 9	- 7	- 2	+ 5	+11	+13	+ 8	+ 2	- 1	- 3	- 4	- 4	- 4	- 3	- 1	+ 1	+ 2	+ 2	+ 2	+ 1	- 1	- 1	4.1
JUL	III	- 3	-15	-20	-19	-11	0	+ 9	+14	+12	+ 5	0	0	- 2	- 3	- 1	0	+ 3	+ 3	+ 4	+ 4	+ 5	+ 5	+ 4	+ 4	6.1
AUG	III	- 7	-18	-23	-21	-11	0	+11	+17	+16	+ 9	+ 3	+ 1	0	0	0	0	+ 1	+ 1	+ 3	+ 4	+ 3	+ 3	+ 4	+ 3	6.8
SEP	II	- 8	-16	-24	-24	-16	- 2	+12	+19	+16	+11	+ 6	+ 5	+ 3	+ 2	+ 1	0	0	0	+ 2	+ 2	+ 3	+ 4	+ 6	0	7.7
OCT	II	-29	-37	-35	-19	0	+19	+31	+30	+20	+14	+ 8	+ 6	+ 5	+ 4	+ 3	+ 1	+ 1	+ 1	0	0	0	- 2	- 7	-17	12.0
NOV	I	-26	-32	-28	-17	- 1	+14	+22	+26	+21	+17	+11	+10	+ 7	+ 5	+ 3	+ 2	+ 3	+ 3	+ 2	+ 1	0	- 3	-14	-25	12.2
DEC	I	-42	-44	-36	-17	+ 3	+20	+30	+32	+27	+20	+14	+11	+ 9	+ 5	+ 2	- 1	+ 3	+ 4	+ 3	+ 2	- 1	- 6	-13	-22	15.2
MEANS	I	-37.4	-37.7	-26.8	- 8.7	+ 8.0	+21.0	+28.0	+27.6	+21.7	+16.1	+11.8	+10.3	+ 8.0	+ 5.2	+ 3.0	+ 0.8	+ 1.6	+ 1.6	+ 0.6	- 0.7	- 3.2	- 7.0	-16.3	-27.6	13.8
	II	-19.4	-26.6	-25.6	-16.0	- 2.0	+11.8	+20.5	+22.0	+17.6	+11.4	+ 7.4	+ 5.0	+ 3.3	+ 2.2	+ 1.5	+ 0.6	+ 0.3	+ 0.3	+ 0.9	+ 0.2	0.0	- 0.7	- 3.0	-11.7	8.8
	III	- 5.6	-14.4	-17.4	-14.4	- 5.9	+ 3.9	+11.4	+15.0	+12.1	+ 5.6	+ 1.1	- 0.4	- 1.6	- 2.5	- 2.6	- 1.8	+ 0.4	+ 1.1	+ 2.7	+ 3.2	+ 3.5	+ 2.8	+ 2.3	+ 1.7	5.6
	YEAR	-20.8	-26.2	-23.2	-13.0	0.0	+12.2	+20.0	+21.5	+17.1	+11.0	+ 6.8	+ 5.0	+ 3.2	+ 1.6	+ 0.6	- 0.1	+ 0.8	+ 1.0	+ 1.4	+ 0.9	+ 0.1	- 1.6	- 5.7	-12.5	8.6

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-44	-30	-13	+ 4	+19	+31	+38	+34	+28	+24	+16	+16	+10	+ 1	- 4	- 6	-13	-12	- 8	- 3	- 8	-17	-28	-35	18.5
FEB	I	-41	-37	-26	- 9	+ 8	+26	+34	+36	+32	+26	+19	+13	+ 2	-13	-12	- 9	+ 1	- 5	-10	- 2	+ 1	0	-10	-24	16.6
MAR	II	-32	-25	-20	- 6	+17	+34	+38	+55	+43	+39	+ 6	+ 1	0	-27	-19	-25	-10	-33	-35	- 3	- 2	+ 1	+ 2	0	19.8
APR	II	-21	-24	-14	- 2	+10	+21	+27	+22	+17	+12	+ 8	+ 3	- 6	- 8	-18	-13	- 8	- 6	+ 4	0	+ 7	0	+ 1	-11	11.0
MAY	III	- 2	- 7	-10	- 6	+ 1	+ 9	+17	+18	+17	+ 7	- 4	- 6	-17	-15	-14	-15	-10	- 8	- 3	+ 4	+14	+ 6	+11	+10	9.6
JUN	III	+10	+ 7	+ 2	- 4	- 4	+ 1	+10	+18	+18	+ 6	+ 1	- 5	-12	-15	-12	-10	-11	- 6	- 9	- 4	0	+ 3	+ 7	+ 8	7.6
JUL	III	+ 3	+ 3	- 6	- 4	+ 2	+11	+29	+27	+13	+18	-16	-19	-21	+ 6	-13	-20	- 3	- 8	- 7	+ 2	+ 3	+ 2	+ 2	- 3	10.0
AUG	III	- 4	- 4	- 9	- 9	- 2	+13	+17	+29	+35	+31	+15	+ 8	+ 4	-14	-26	-20	-23	-15	-18	-12	- 9	- 4	+12	+ 6	14.1
SEP	II	- 8	-17	-17	-24	- 8	+15	+22	+34	+36	+19	+14	-14	+ 6	-15	-20	- 2	- 4	-26	-13	-27	+ 8	+ 5	+16	+18	16.2
OCT	II	-25	-33	-31	-13	+ 6	+28	+42	+39	+30	+24	+11	+ 7	0	- 4	- 5	- 4	- 7	-17	-17	- 3	- 1	- 3	-13	-13	15.7
NOV	I	-34	-33	-16	+ 2	+21	+36	+48	+44	+35	+16	+ 3	+ 6	- 2	-14	-10	-16	-17	-14	- 4	- 3	0	- 3	-18	-27	17.6
DEC	I	-28	-24	-16	+ 2	+17	+26	+30	+31	+30	+25	+16	+12	+ 3	- 6	-17	-19	- 4	- 3	- 9	- 6	- 4	- 9	-20	-29	16.1
MEANS	I	-36.4	-31.4	-17.7	- 0.5	+16.5	+29.8	+37.5	+36.4	+31.2	+23.2	+13.6	+12.0	+ 3.4	- 8.2	-11.0	-12.4	- 8.4	- 8.8	- 7.5	- 3.4	- 2.9	- 7.2	-18.8	-28.8	17.0
	II	-21.5	-24.6	-20.6	-11.4	+ 6.0	+24.6	+32.5	+37.6	+31.7	+23.4	+ 9.6	- 0.5	0.0	-13.6	-15.5	-11.2	- 7.2	-20.6	-15.4	- 8.4	+ 3.2	+ 0.8	+ 1.6	- 1.2	14.3
	III	+ 1.8	0.0	- 5.6	- 5.8	- 0.9	+ 8.6	+18.2	+23.0	+20.6	+15.6	- 0.7	- 5.5	-11.6	- 9.4	-16.1	-16.3	-11.9	- 9.4	- 9.0	- 2.5	+ 2.0	+ 1.7	+ 7.8	+ 5.4	8.7
	YEAR	-18.7	-18.7	-14.6	- 5.9	+ 7.2	+21.0	+29.4	+32.3	+27.8	+20.7	+ 7.5	+ 2.0	- 2.7	-10.4	-14.2	-13.3	- 9.1	-12.9	-10.6	- 4.8	+ 0.7	- 1.6	- 3.1	- 8.2	12.4

TABLE 394

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST. I DOWN. H. Z TOWARD NADIR. X NORTHWARD. Y EASTWARD. AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	1	- 9	- 7	- 4	- 1	- 4	- 8	-14	-16	-13	+ 1	+18	+30	+32	+29	+21	+10	+ 1	- 5	- 8	- 8	-10	-13	-13	-12	11.9
FEB	1	- 6	- 5	- 2	0	- 1	- 4	-12	-19	-18	- 6	+15	+31	+40	+38	+28	+14	0	-10	-16	-14	-15	-16	-13	-10	14.0
MAR	II	+ 1	- 3	- 2	+ 5	+ 4	+ 6	+ 1	- 8	-17	-12	+ 4	+19	+30	+33	+27	+17	+ 4	- 8	-18	-17	-17	-18	-17	-14	12.6
APR	II	- 3	0	+ 3	+ 3	+ 4	+ 2	- 2	- 8	-12	- 7	+ 4	+15	+22	+20	+15	+ 7	+ 1	- 6	- 8	-10	-12	-11	-10	- 6	7.8
MAY	III	- 2	0	+ 2	+ 4	+ 5	+ 3	+ 4	+ 2	- 3	- 5	- 2	+ 6	+11	+12	+12	+ 8	0	- 6	- 7	-10	-11	-10	- 8	- 5	5.7
JUN	III	- 1	+ 1	- 2	+ 3	+ 3	+ 3	+ 3	+ 4	0	- 3	- 3	+ 1	+ 6	+ 9	+10	+ 7	0	- 5	- 6	- 8	- 8	- 8	- 6	- 3	4.3
JUL	III	- 2	+ 2	+ 3	+ 5	+ 5	+ 4	+ 4	+ 3	- 1	- 5	- 5	+ 4	+11	+16	+18	+10	- 1	- 6	- 9	-13	-13	-11	- 9	- 9	7.0
AUG	III	- 5	- 1	+ 1	+ 2	+ 4	+ 5	+ 7	+ 5	- 2	- 6	- 6	- 1	+ 7	+14	+16	+14	+ 6	- 3	- 8	- 9	-11	-11	-10	- 7	6.7
SEP	II	- 6	- 6	+ 2	+ 6	+ 8	+ 6	+ 3	+ 1	- 6	- 7	- 2	+ 6	+16	+24	+21	+13	+ 3	- 8	-10	-13	-14	-17	-15	- 6	9.1
OCT	II	- 6	- 4	- 2	0	- 1	- 3	- 8	-13	-17	-12	+ 1	+19	+32	+35	+30	+17	+ 3	- 6	-11	-11	-11	-12	-11	- 8	11.4
NOV	1	- 5	- 2	+ 2	+ 2	+ 2	- 2	- 8	-14	-13	- 6	+ 8	+23	+32	+32	+24	+10	- 2	-11	-14	-11	-13	-13	-11	- 9	11.1
DEC	I	- 7	- 5	- 2	- 1	- 2	- 6	-10	-15	-16	- 9	+ 5	+24	+35	+35	+28	+16	+ 3	- 5	- 9	-10	-11	-13	-13	-12	12.2
MEANS	1	- 6.8	- 4.4	- 1.6	- 0.3	- 1.3	- 4.8	-11.2	-16.1	-14.7	- 5.0	+11.4	+27.3	+34.7	+33.6	+25.3	+12.7	+ 0.6	- 8.0	-11.6	-10.6	-12.2	-13.8	-12.6	-10.7	12.1
	II	- 3.5	- 3.3	+ 0.2	+ 3.3	+ 3.8	+ 2.6	- 1.4	- 6.8	-12.9	- 9.5	+ 1.6	+14.7	+24.8	+28.3	+23.1	+13.6	+ 2.4	- 7.0	-11.6	-12.9	-13.3	-14.3	-13.2	- 8.6	9.9
	III	- 2.6	+ 0.5	+ 2.1	+ 3.4	+ 4.0	+ 3.7	+ 4.2	+ 3.2	- 1.4	- 4.8	- 4.0	+ 2.2	+ 8.8	+12.8	+14.0	+ 9.8	+ 1.1	- 4.8	- 7.7	- 9.8	-10.6	- 9.8	- 8.2	- 6.2	5.8
	YEAR	- 4.3	- 2.4	+ 0.2	+ 2.1	+ 2.2	+ 0.5	- 2.8	- 6.5	- 9.7	- 6.5	+ 3.0	+14.7	+22.8	+24.9	+20.8	+12.0	+ 1.3	- 6.6	-10.3	-11.1	-12.0	-12.6	-11.3	- 8.5	8.7

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	1	-12	- 7	- 3	- 4	- 5	-10	-15	-19	-15	+ 1	+19	+30	+31	+28	+21	+10	+ 1	- 4	- 5	- 6	- 8	-10	- 9	- 9	11.7
FEB	I	- 8	- 6	- 2	- 1	- 2	- 5	-14	-19	-19	- 8	+10	+27	+36	+34	+26	+14	+ 2	- 8	-10	-10	-10	-11	- 9	- 9	12.6
MAR	II	- 5	- 6	- 3	- 2	- 3	- 3	- 5	-14	-18	-12	+ 4	+19	+29	+30	+23	+15	+ 5	- 5	- 7	- 7	- 8	-11	-10	- 8	10.6
APR	II	- 4	- 1	0	+ 2	+ 2	- 2	- 4	- 9	-14	-11	0	+14	+22	+22	+16	+ 8	+ 2	- 3	- 5	- 7	- 8	- 7	- 7	- 5	7.4
MAY	III	- 4	- 3	0	+ 2	+ 3	+ 1	+ 2	+ 1	- 5	- 6	- 2	+ 7	+13	+14	+11	+ 7	+ 1	- 4	- 5	- 7	- 8	- 5	- 6	- 4	5.0
JUN	III	- 2	0	+ 1	+ 1	+ 1	0	0	+ 2	- 2	- 4	- 3	+ 2	+ 6	+10	+11	+ 7	0	- 4	- 5	- 5	- 5	- 5	- 4	- 2	3.4
JUL	III	- 3	0	0	+ 1	+ 1	+ 1	+ 1	+ 1	- 6	-11	-10	- 1	+ 9	+15	+16	+12	+ 4	- 1	- 3	- 4	- 6	- 6	- 5	- 4	5.1
AUG	III	- 4	- 1	+ 1	+ 1	0	+ 1	+ 1	- 1	- 9	-13	-11	- 4	+ 7	+16	+18	+15	+ 7	0	- 3	- 4	- 4	- 4	- 4	- 3	5.6
SEP	II	- 6	- 3	0	+ 1	+ 4	+ 2	- 1	- 7	-12	-12	- 8	0	+11	+19	+20	+17	+10	+ 1	- 4	- 6	- 8	- 7	- 7	- 6	7.1
OCT	II	- 5	- 4	- 1	- 1	- 2	- 4	- 9	-14	-18	-12	- 1	+20	+31	+33	+27	+14	+ 1	- 7	- 9	- 9	- 8	- 8	- 7	- 6	10.4
NOV	1	- 8	- 4	0	- 2	- 3	- 6	-12	-14	-13	- 8	+ 5	+18	+25	+28	+23	+15	+ 4	- 3	- 7	- 7	- 7	- 7	- 7	- 8	9.7
DEC	1	- 8	- 6	- 3	- 3	- 4	- 8	-12	-16	-16	-10	+ 4	+19	+30	+34	+28	+16	+ 5	- 3	- 6	- 6	- 7	- 9	-10	-10	11.2
MEANS	1	- 9.2	- 5.7	- 2.3	- 2.2	- 3.1	- 7.2	-13.4	-17.0	-15.6	- 6.3	+ 9.4	+23.4	+30.4	+31.0	+24.6	+13.9	+ 2.8	- 4.4	- 5.8	- 7.2	- 8.0	- 9.4	- 8.8	- 9.0	11.3
	II	- 5.2	- 3.5	- 1.0	0.0	+ 0.3	- 1.6	- 4.8	-11.2	-15.6	-11.9	- 1.0	+13.2	+23.3	+26.2	+21.6	+13.6	+ 4.5	- 3.4	- 6.2	- 7.3	- 8.0	- 8.3	- 8.0	- 6.0	8.6
	III	- 3.1	- 1.0	+ 0.3	+ 1.1	+ 1.3	+ 0.7	+ 1.3	+ 0.6	- 5.6	- 8.6	- 6.3	+ 1.0	+ 9.9	+13.5	+13.7	+10.2	+ 3.0	- 2.6	- 4.0	- 5.0	- 5.7	- 5.4	- 4.8	- 3.6	4.6
	YEAR	- 5.8	- 3.4	- 1.0	- 0.4	- 0.5	- 2.7	- 5.6	- 9.2	-12.2	- 8.9	+ 0.7	+12.5	+20.9	+23.5	+20.0	+12.6	+ 3.5	- 3.5	- 5.7	- 6.5	- 7.2	- 7.7	- 7.2	- 6.2	7.8

TABLE 394--CONCLUDED

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-20	- 1	+20	+33	+36	+32	+23	+10	- 1	- 5	- 6	- 6	- 8	-11	-11	-12	-10	- 8	- 7	- 6	- 7	- 8	-12	-16	13.0
FEB	I	-19	- 4	+17	+34	+37	+33	+24	+11	0	- 9	- 9	- 8	-11	-12	-10	- 9	- 9	- 8	- 3	- 1	- 4	- 6	-14	-22	13.1
MAR	II	-20	-12	+ 5	+19	+28	+28	+23	+15	+ 5	- 3	- 7	- 8	- 9	-10	- 9	- 7	- 5	- 4	- 2	- 2	- 2	- 3	- 7	-15	10.3
APR	II	-12	-10	- 1	+11	+18	+18	+13	+ 7	+ 2	- 3	- 5	- 8	- 8	- 6	- 6	- 4	- 2	0	+ 3	+ 2	+ 1	0	- 3	- 9	6.2
MAY	III	- 6	- 8	- 4	+ 5	+13	+14	+11	+ 7	0	- 5	- 5	- 5	- 6	- 5	- 6	- 5	- 2	- 2	0	0	+ 2	+ 1	+ 2	+ 2	4.8
JUN	III	0	- 2	+ 1	+ 5	+ 9	+10	+10	+ 6	- 1	- 5	- 5	- 5	- 5	- 4	- 4	- 2	- 2	- 2	- 1	- 2	- 2	- 1	0	+ 2	3.6
JUL	III	- 8	-13	-11	- 3	+ 8	+15	+17	+13	+ 5	- 1	- 2	- 4	- 6	- 7	- 6	- 5	- 2	0	0	+ 2	+ 2	+ 3	+ 2	+ 2	5.8
AUG	III	-10	-14	-10	- 2	+ 9	+17	+18	+14	+ 6	- 1	- 3	- 5	- 5	- 5	- 5	- 5	- 2	- 1	+ 1	+ 1	+ 2	+ 2	+ 2	- 1	5.9
SEP	II	-12	-14	-10	- 3	+ 9	+10	+20	+17	+ 9	0	- 4	- 6	- 6	- 6	- 6	- 5	- 3	- 1	+ 1	+ 1	+ 1	+ 2	+ 2	- 3	6.7
OCT	II	-20	-15	- 3	+17	+31	+37	+33	+19	+ 2	- 6	- 8	- 9	-10	-10	- 8	- 6	- 4	- 3	- 2	- 1	- 2	- 4	-10	-17	11.6
NOV	I	-14	-11	0	+12	+21	+25	+23	+17	+ 6	- 2	- 6	- 7	- 7	- 6	- 6	- 8	- 4	- 2	- 1	- 1	- 2	- 4	-10	-13	8.7
DEC	I	-21	-16	0	+18	+31	+33	+30	+18	+ 7	- 1	- 6	- 7	- 8	-10	-11	-10	- 7	- 5	- 2	- 3	- 4	- 6	- 8	-12	11.6
MEANS	I	-18.4	- 8.0	+ 9.2	+24.2	+31.3	+31.4	+25.0	+14.2	+ 3.2	- 4.2	- 6.9	- 7.0	- 8.6	- 9.9	- 9.6	-10.0	- 7.5	- 5.8	- 3.2	- 2.7	- 4.2	- 6.3	-11.0	-15.8	11.6
	II	-15.8	-12.8	- 2.3	+10.9	+21.3	+25.4	+22.3	+14.6	+ 4.6	- 3.1	- 6.1	- 7.7	- 8.3	- 8.0	- 7.1	- 5.5	- 3.3	- 1.9	0.0	- 0.2	- 0.5	- 1.6	- 4.4	-11.0	8.3
	III	- 6.2	- 9.3	- 6.0	+ 1.2	+ 9.6	+13.9	+13.8	+10.2	+ 2.6	- 2.8	- 3.8	- 4.8	- 5.5	- 5.6	- 5.2	- 4.0	- 2.1	- 1.2	+ 0.1	+ 0.3	+ 1.0	+ 1.0	+ 1.6	+ 1.2	4.7
	YEAR	-13.5	-10.0	+ 0.3	+12.1	+20.7	+23.6	+20.4	+13.0	+ 3.5	- 3.4	- 5.6	- 6.5	- 7.5	- 7.8	- 7.3	- 6.5	- 4.3	- 3.0	- 1.1	- 0.9	- 1.2	- 2.3	- 4.6	- 8.6	7.8

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-10	+ 8	+24	+34	+34	+30	+21	+ 6	- 2	- 7	-11	- 8	-15	-16	-18	-16	- 7	-10	- 2	+ 1	- 2	- 8	-14	-15	13.2
FEB	I	-17	- 1	+18	+34	+41	+23	+33	+17	+ 1	-12	-19	-17	-23	-28	-22	-14	- 4	- 2	- 4	+ 1	+ 1	+ 1	- 9	-18	15.8
MAR	II	-13	- 3	+14	+34	+50	+55	+43	+34	0	-24	-57	-53	-33	-47	-46	-42	+30	- 3	-11	+20	+21	+17	+11	+ 4	27.7
APR	II	- 8	- 4	+10	+20	+26	+22	+15	+ 5	- 3	-14	-18	-17	-19	-17	-16	- 9	- 3	+ 3	+12	+ 5	+ 9	+ 3	+ 2	- 6	11.2
MAY	III	+ 3	0	0	+ 3	+ 7	+ 7	+ 8	0	- 6	-14	-17	-15	-18	-13	- 7	- 4	+ 2	+ 5	+ 7	+10	+15	+ 8	+10	+ 9	7.9
JUN	III	+10	+ 5	+ 1	0	+ 4	+ 8	+10	+ 7	- 1	-12	-14	-12	-14	-11	- 8	- 7	- 4	0	0	+ 5	+ 8	+10	+ 9	+ 8	6.9
JUL	III	+19	+16	+11	+22	+29	+35	+34	+10	-17	-18	-35	-52	-38	-23	-24	-28	- 2	+ 2	+ 5	+13	+13	+11	+10	+ 7	19.7
AUG	III	+ 6	+ 5	+ 4	+10	+17	+24	+22	+18	+ 6	- 4	-18	-19	-26	-33	-31	-18	-16	- 5	- 3	+ 2	+10	+12	+21	+16	14.4
SEP	II	+ 9	+ 3	+ 4	+10	+21	+38	+24	+ 8	-14	-28	-23	-40	-36	-46	-39	+ 8	-10	-25	+ 9	+26	+33	+24	+13	+31	21.9
OCT	II	-10	- 8	+ 6	+22	+35	+37	+31	+16	+ 2	- 6	-17	-16	-19	-20	-15	-10	-10	-12	- 8	+ 1	+ 5	+ 6	- 4	- 7	13.4
NOV	I	- 5	+ 6	+22	+40	+46	+42	+28	+ 5	-15	-31	-32	-21	-24	-26	-14	-13	- 9	- 1	+10	+ 4	+ 4	+ 2	- 7	-11	17.5
DEC	I	- 4	+ 8	+23	+37	+38	+30	+22	+10	0	- 8	-15	-18	-18	-22	-25	-23	- 4	0	- 3	+ 1	- 1	- 6	-11	-13	14.1
MEANS	I	- 8.8	+ 5.2	+21.8	+35.9	+40.0	+36.4	+26.2	+ 9.6	- 3.8	-14.4	-19.2	-16.0	-20.1	-23.0	-19.6	-16.0	- 6.2	- 3.0	- 0.2	+ 1.8	+ 0.6	- 2.6	-10.1	-14.2	14.8
	II	- 5.6	- 2.8	+ 8.7	+21.6	+33.0	+38.3	+28.2	+15.8	- 3.8	-18.0	-28.6	-31.7	-26.8	-32.3	-29.1	-13.5	+ 1.8	- 9.1	+ 0.4	+13.0	+17.0	+12.8	+ 5.6	+ 5.4	16.8
	III	+ 9.1	+ 6.3	+ 4.0	+ 8.8	+14.4	+18.6	+18.4	+ 8.6	- 4.6	-12.1	-20.8	-24.6	-24.1	-20.2	-17.5	-14.0	- 5.0	+ 0.8	+ 2.4	+ 7.6	+11.3	+10.2	+12.5	+ 9.8	11.9
	YEAR	- 1.8	+ 2.9	+11.5	+22.1	+29.1	+31.1	+24.3	+11.3	- 4.1	-14.8	-22.9	-24.1	-23.7	-25.2	-22.1	-14.5	- 3.1	- 3.8	+ 0.8	+ 7.4	- 9.6	+ 6.8	+ 2.7	+ 0.4	13.3

TABLE 395

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED – A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+10	+ 7	+ 4	+ 2	+ 4	+ 9	+15	+16	+11	- 2	-20	-30	-31	-27	-19	- 8	0	+ 4	+ 6	+ 7	+ 9	+12	+11	+10	11.5
FEB	I	+ 8	+ 7	+ 6	+ 4	+ 3	+ 6	+13	+18	+14	+ 2	-18	-32	-38	-36	-26	-13	- 1	+ 7	+12	+11	+13	+14	+13	+11	13.7
MAR	II	+ 1	+ 6	+ 4	- 2	0	- 2	+ 2	+10	+14	+ 7	- 7	-20	-30	-31	-25	-17	- 4	+ 5	+14	+14	+16	+17	+15	+12	11.4
APR	II	+ 4	+ 2	+ 1	+ 1	0	+ 2	+ 4	+10	+12	+ 6	- 5	-16	-22	-22	-18	-10	- 2	+ 3	+ 6	+ 8	+10	+10	+ 9	+ 5	8.0
MAY	III	+ 2	+ 1	0	- 2	- 1	+ 1	+ 1	+ 4	+ 9	+ 9	+ 4	- 6	-13	-16	-18	-13	- 4	+ 4	+ 6	+ 7	+ 8	+ 7	+ 6	+ 4	6.1
JUN	III	0	- 1	- 2	- 1	0	0	0	0	+ 4	+ 7	+ 6	0	- 6	-11	-13	-11	- 3	+ 4	+ 4	+ 6	+ 6	+ 6	+ 4	+ 2	4.1
JUL	III	+ 1	- 1	- 1	- 2	- 2	- 1	+ 1	+ 3	+ 7	+10	+ 8	- 1	-10	-16	-20	-15	- 4	+ 2	+ 6	+ 8	+ 8	+ 6	+ 5	+ 6	6.0
AUG	III	+ 4	+ 1	+ 1	0	0	- 1	- 2	+ 1	+ 7	+11	+10	+ 5	- 7	-17	-21	-19	-10	- 1	+ 5	+ 6	+ 6	+ 8	+ 8	+ 6	6.5
SEP	II	+ 5	+ 6	0	- 3	- 3	- 2	0	+ 3	+ 9	+10	+ 5	- 4	-18	-25	-23	-15	- 7	+ 4	+ 8	+10	+11	+13	+12	+ 5	8.4
OCT	II	+ 7	+ 5	+ 3	+ 2	+ 3	+ 6	+11	+15	+18	+13	0	-20	-32	-36	-31	-18	- 4	+ 4	+ 8	+ 9	+ 9	+10	+10	+ 8	11.8
NOV	I	+ 6	+ 4	+ 2	+ 1	+ 1	+ 5	+11	+15	+13	+ 4	- 9	-24	-31	-32	-25	-12	- 1	+ 8	+11	+ 9	+10	+11	+10	+10	11.1
DEC	I	+ 6	+ 5	+ 3	+ 2	+ 2	+ 6	+12	+16	+16	+10	- 5	-24	-34	-34	-26	-15	- 4	+ 4	+ 8	+ 8	+10	+12	+11	+10	11.9
MEANS	I	+ 7.6	+ 5.9	+ 3.7	+ 2.1	+ 2.6	+ 6.6	+12.8	+16.2	+13.6	+ 3.7	-12.8	-27.6	-33.6	-32.1	-24.2	-12.2	- 1.2	+ 6.0	+ 9.4	+ 8.9	+10.4	+12.3	+11.6	+10.4	12.0
	II	+ 4.4	+ 4.8	+ 1.9	- 0.4	0.0	+ 0.7	+ 4.4	+ 9.6	+13.4	+ 8.9	- 2.0	-14.9	-25.6	-28.7	-24.2	-15.0	- 4.4	+ 4.2	+ 9.1	+10.4	+11.5	+12.4	+11.4	+ 7.9	9.6
	III	+ 1.7	0.0	- 0.6	- 1.2	- 0.9	- 0.2	0.0	+ 1.9	+ 6.8	+ 9.2	+ 7.0	+ 0.7	- 9.0	-14.8	-18.0	-14.5	- 5.3	+ 2.4	+ 5.4	+ 6.8	+ 7.0	+ 6.6	+ 5.9	+ 4.2	5.4
	YEAR	+ 4.6	+ 3.6	+ 1.7	+ 0.2	+ 0.6	+ 2.4	+ 5.7	+ 9.2	+11.3	+ 7.3	- 2.6	-14.4	-22.7	-25.2	-22.1	-13.9	- 3.6	+ 4.2	+ 7.9	+ 8.7	+ 9.6	+10.4	+ 9.7	+ 7.5	8.7

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 8	+ 4	+ 2	+ 3	+ 3	+ 6	+15	+18	+13	- 2	-19	-28	-27	-24	-18	- 8	+ 1	+ 4	+ 5	+ 6	+ 7	+10	+10	+ 9	10.5
FEB	I	+ 7	+ 6	+ 5	+ 4	+ 2	+ 6	+14	+19	+16	+ 5	-12	-27	-34	-32	-25	-13	- 2	+ 6	+ 8	+ 9	+10	+10	+ 9	+ 9	12.1
MAR	II	+ 7	+ 7	+ 5	+ 4	+ 5	+ 4	+ 5	+13	+16	+ 9	- 6	-20	-30	-30	-23	-15	- 6	+ 3	+ 7	+ 7	+ 8	+11	+10	+ 9	10.8
APR	II	+ 3	+ 1	+ 1	0	0	+ 3	+ 5	+10	+14	+ 9	- 2	-15	-23	-24	-19	-10	- 3	+ 3	+ 6	+ 8	+ 9	+ 8	+ 8	+ 6	8.0
MAY	III	+ 2	+ 2	0	- 2	- 1	+ 1	0	+ 3	+ 9	+10	+ 3	- 8	-14	-17	-15	-10	- 2	+ 5	+ 5	+ 6	+ 7	+ 6	+ 5	+ 4	5.8
JUN	III	- 1	- 2	- 2	- 2	- 1	+ 1	+ 1	+ 1	+ 5	+ 8	+ 5	- 2	- 6	-11	-13	-10	- 1	+ 5	+ 5	+ 5	+ 5	+ 4	+ 3	+ 2	4.1
JUL	III	+ 2	0	0	- 1	0	+ 1	+ 1	+ 3	+11	+15	+12	+ 2	-10	-18	-20	-16	- 7	+ 1	+ 3	+ 4	+ 5	+ 5	+ 5	+ 4	6.0
AUG	III	+ 2	0	- 1	0	0	+ 1	+ 1	+ 5	+14	+17	+14	+ 5	- 8	-19	-23	-19	-10	0	+ 4	+ 4	+ 4	+ 4	+ 3	+ 3	6.7
SEP	II	+ 3	+ 1	- 1	- 1	- 3	0	+ 3	+ 9	+14	+15	+11	+ 3	-10	-20	-23	-20	-12	- 2	+ 3	+ 5	+ 6	+ 6	+ 7	+ 5	7.7
OCT	II	+ 4	+ 3	+ 2	+ 2	+ 3	+ 6	+10	+15	+17	+11	- 1	-20	-32	-34	-27	-13	0	+ 6	+ 8	+ 8	+ 8	+ 8	+ 7	+ 6	10.6
NOV	I	+ 5	+ 2	- 1	+ 1	+ 2	+ 7	+13	+16	+14	+ 8	- 5	-17	-25	-28	-23	-14	- 3	+ 4	+ 7	+ 7	+ 7	+ 7	+ 7	+ 8	9.6
DEC	I	+ 6	+ 5	+ 3	+ 2	+ 2	+ 6	+13	+16	+17	+13	- 1	-16	-28	-32	-27	-16	- 5	+ 2	+ 5	+ 5	+ 6	+ 8	+ 8	+ 8	10.4
MEANS	I	+ 6.2	+ 4.0	+ 2.2	+ 2.2	+ 2.5	+ 7.0	+13.8	+17.2	+15.2	+ 6.0	- 9.1	-22.3	-28.5	-29.3	-23.1	-12.7	- 2.2	+ 4.1	+ 6.2	+ 6.6	+ 7.5	+ 8.8	+ 8.7	+ 8.8	10.6
	II	+ 4.3	+ 3.0	+ 1.9	+ 1.1	+ 1.3	+ 3.2	+ 6.1	+11.8	+15.2	+11.1	+ 0.5	-12.8	-23.5	-27.2	-22.9	-14.6	- 5.2	+ 2.8	+ 6.2	+ 7.2	+ 8.0	+ 8.0	+ 8.0	+ 6.7	8.9
	III	+ 1.1	0.0	- 0.6	- 1.1	- 0.5	+ 0.8	+ 0.8	+ 3.0	+ 9.8	+12.3	+ 8.5	- 0.8	- 9.9	-16.1	-17.6	-13.8	- 4.9	+ 2.6	+ 4.2	+ 4.8	+ 5.1	+ 4.7	+ 4.2	+ 3.2	5.4
	YEAR	+ 3.9	+ 2.4	+ 1.2	+ 0.7	+ 1.1	+ 3.7	+ 6.9	+10.7	+13.4	+ 9.8	- 0.1	-12.0	-20.7	-24.2	-21.2	-13.7	- 4.1	+ 3.2	+ 5.5	+ 6.2	+ 6.9	+ 7.2	+ 6.9	+ 6.2	8.0

TABLE 395--CONCLUDED

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1941

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+15	- 3	-23	-33	-33	-29	-20	- 8	+ 2	+ 5	+ 5	+ 4	+ 6	+ 8	+ 9	+10	+ 8	+ 7	+ 7	+ 7	+ 9	+12	+16	+20	12.4
FEB	I	+16	+ 1	-19	-34	-35	-31	-23	-10	0	+ 7	+ 8	+ 8	+11	+10	+ 9	+ 9	+ 8	+ 8	+ 5	+ 4	+ 5	+ 7	+15	+22	12.7
MAR	II	+16	+ 8	- 7	-19	-28	-29	-23	-16	- 7	+ 1	+ 6	+ 7	+ 9	+10	+ 9	+ 7	+ 6	+ 5	+ 4	+ 5	+ 5	+ 6	+10	+17	10.8
APR	II	+12	+ 8	- 2	-14	-21	-21	-18	-10	- 3	+ 3	+ 6	+ 7	+ 8	+ 6	+ 6	+ 4	+ 2	+ 1	0	+ 1	+ 2	+ 3	+ 6	+12	7.4
MAY	III	+10	+10	+ 2	- 8	-17	-19	-16	-11	- 2	+ 4	+ 5	+ 5	+ 5	+ 5	+ 5	+ 4	+ 2	+ 2	+ 2	+ 2	+ 1	+ 3	+ 3	+ 4	6.1
JUN	III	+ 3	+ 6	+ 2	- 4	- 9	-12	-13	- 9	- 1	+ 4	+ 4	+ 4	+ 3	+ 3	+ 3	+ 1	+ 1	+ 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 1	3.9
JUL	III	+13	+17	+14	+ 4	-10	-18	-21	-18	- 8	0	+ 3	+ 4	+ 5	+ 5	+ 4	+ 3	+ 1	+ 1	0	- 1	- 1	0	0	+ 2	6.4
AUG	III	+14	+17	+11	+ 2	-12	-21	-24	-20	-10	0	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 2	+ 1	0	+ 1	+ 1	+ 2	+ 3	+ 7	7.2
SEP	II	+14	+17	+14	+ 6	- 9	-22	-25	-21	-12	- 2	+ 3	+ 4	+ 5	+ 5	+ 4	+ 3	+ 2	+ 1	0	0	+ 1	+ 1	+ 2	+ 9	7.6
OCT	II	+20	+15	+ 1	-20	-35	-38	-33	-19	- 3	+ 5	+ 7	+ 8	+ 9	+ 9	+ 8	+ 7	+ 5	+ 4	+ 3	+ 3	+ 6	+ 5	+13	+20	12.3
NOV	I	+15	+11	- 1	-14	-23	-28	-26	-18	- 6	0	+ 4	+ 4	+ 5	+ 5	+ 4	+ 7	+ 3	+ 2	+ 3	+ 3	+ 6	+ 8	+16	+19	9.7
DEC	I	+21	+17	+ 1	-17	-29	-33	-28	-18	- 7	+ 1	+ 5	+ 6	+ 7	+ 9	+ 9	+ 8	+ 5	+ 3	+ 2	+ 2	+ 3	+ 6	+12	+14	10.9
MEANS	I	+16.8	+ 6.4	-10.6	-24.5	-29.8	-30.2	-24.3	-13.6	- 2.6	+ 3.5	+ 5.4	+ 5.5	+ 7.1	+ 8.0	+ 7.8	+ 8.4	+ 5.8	+ 5.0	+ 4.3	+ 4.1	+ 5.8	+ 8.5	+14.7	+18.9	11.3
	II	+15.5	+12.2	+ 1.5	-11.8	-23.1	-27.8	-24.6	-16.5	- 6.4	+ 1.9	+ 5.3	+ 6.7	+ 7.8	+ 7.4	+ 6.7	+ 5.4	+ 3.6	+ 2.9	+ 1.8	+ 2.3	+ 3.3	+ 4.1	+ 7.9	+14.5	9.2
	III	+10.0	+12.6	+ 7.4	- 1.8	-11.7	-17.4	-18.4	-14.3	- 5.0	+ 2.2	+ 3.7	+ 4.2	+ 4.6	+ 4.3	+ 3.8	+ 3.0	+ 1.6	+ 1.4	+ 0.7	+ 0.8	+ 0.7	+ 1.8	+ 2.0	+ 3.8	5.7
	YEAR	+14.1	+10.4	- 0.6	-12.7	-21.5	-25.1	-22.4	-14.8	- 4.7	+ 2.5	+ 4.8	+ 5.5	+ 6.5	+ 6.6	+ 6.1	+ 5.6	+ 3.7	+ 3.1	+ 2.3	+ 2.4	+ 3.2	+ 4.8	+ 8.2	+12.4	8.5

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 9	- 7	-22	-30	-31	-28	-18	- 5	+ 3	+ 5	+10	+ 8	+13	+15	+14	+14	+15	+10	+ 2	- 3	0	+ 5	+11	+ 9	12.0
FEB	I	+13	- 2	-19	-33	-36	-38	-22	-15	- 3	+ 7	+12	+14	+21	+26	+22	+13	+ 7	+ 2	+ 2	+ 1	0	+ 2	+ 6	+12	14.6
MAR	II	+26	+ 8	- 6	-24	-37	-35	-23	-17	- 9	-18	-43	-42	-35	-48	-30	-18	-41	- 6	- 6	-24	-20	-18	-14	- 8	23.2
APR	II	+12	+ 4	- 8	-18	-23	-24	-20	- 8	+ 1	+ 6	+ 9	+10	+13	+12	+15	+ 8	+ 4	+ 2	- 3	0	- 4	0	+ 1	+ 9	9.0
MAY	III	+10	+ 9	+ 6	- 1	- 9	-14	-17	-10	- 5	+ 4	+11	+ 9	+11	+ 8	+ 5	+ 3	0	- 2	- 3	- 4	- 7	- 1	- 2	0	6.3
JUN	III	0	+ 4	+ 5	+ 8	+ 1	- 7	-13	-15	-11	0	+ 3	+ 7	+ 9	+10	+ 6	+ 5	+ 3	0	+ 2	- 2	- 4	- 4	- 4	- 3	5.2
JUL	III	0	- 1	- 2	- 8	-13	-19	-28	-14	+ 7	+ 8	+21	+28	+17	+ 1	+ 7	+14	- 3	- 1	- 2	- 5	- 4	- 5	- 2	+ 3	9.0
AUG	III	+ 6	+ 4	+ 7	+ 3	-10	-22	-20	-19	-10	- 3	+ 7	+12	+11	+20	+24	+13	+12	+ 4	+ 3	- 2	- 4	- 8	-16	-12	10.5
SEP	II	- 4	- 1	-10	-13	-29	-32	-16	- 3	+ 9	+23	+24	+35	+30	+33	+30	- 9	+10	+20	- 7	-17	-15	-17	-11	-28	17.7
OCT	II	+17	+14	- 2	-20	-33	-36	-36	-20	- 5	+ 4	+12	+12	+15	+16	+14	+11	+13	+14	+ 8	- 3	- 2	- 2	+ 3	+ 2	13.2
NOV	I	+12	- 2	-18	-35	-43	-40	-30	-10	+ 6	+21	+27	+17	+19	+22	+15	+12	+10	+ 6	- 2	- 3	- 2	0	+ 8	+ 9	15.3
DEC	I	+ 4	- 4	-19	-32	-36	-29	-20	-10	0	+ 7	+17	+14	+17	+20	+21	+15	+ 2	0	+ 3	+ 1	+ 1	+ 7	+11	+12	12.6
MEANS	I	+ 9.8	- 3.8	-19.5	-32.5	-36.5	-33.6	-24.2	-10.0	+ 1.2	+10.2	+16.4	+13.1	+17.4	+21.0	+17.9	+13.6	+ 8.3	+ 6.2	+ 3.1	- 0.8	- 0.6	+ 3.4	+ 9.1	+10.5	13.4
	II	+12.9	+ 6.5	- 6.6	-18.6	-30.5	-31.8	-23.6	-12.0	+ 3.6	+12.8	+21.9	+24.9	+23.2	+27.3	+22.2	+ 7.2	- 3.7	+ 7.4	- 1.9	-10.9	-10.4	- 9.4	- 5.2	- 6.0	14.2
	III	+ 4.0	+ 4.2	+ 4.0	0.0	- 7.6	-15.4	-19.7	-14.6	- 4.6	+ 2.2	+10.4	+14.0	+12.3	+10.0	+10.6	+ 8.8	+ 2.7	+ 0.2	0.0	- 3.4	- 4.7	- 4.4	- 6.2	- 2.9	7.0
	YEAR	+ 8.9	+ 2.3	- 7.4	-17.0	-24.9	-26.9	-22.5	-12.2	+ 0.1	+ 8.4	+16.2	+17.4	+17.6	+19.4	+16.9	+ 9.9	+ 2.4	+ 4.6	+ 0.4	- 5.0	- 5.3	- 3.5	- 0.7	+ 0.6	10.4

TABLE 396

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 0.4	- 0.6	- 0.3	- 0.4	- 0.8	- 1.6	- 2.8	- 3.8	- 4.5	- 4.2	- 2.6	- 0.3	+ 1.5	+ 2.9	+ 3.7	+ 3.6	+ 3.0	+ 2.3	+ 1.8	+ 1.4	+ 1.2	+ 0.9	+ 0.2	- 0.3	1.88
FEB	I	- 0.2	- 0.1	- 0.4	- 0.5	- 0.5	- 1.0	- 2.5	- 4.2	- 5.9	- 6.0	- 4.1	- 1.3	+ 1.7	+ 4.0	+ 5.1	+ 4.9	+ 3.9	+ 2.5	+ 1.5	+ 1.3	+ 1.1	+ 0.7	+ 0.2	- 0.3	2.25
MAR	II	- 0.7	- 0.7	- 0.4	0.0	+ 0.4	- 0.2	- 0.8	- 2.0	- 3.7	- 4.6	- 4.5	- 2.9	- 0.2	+ 2.2	+ 4.0	+ 4.3	+ 3.8	+ 3.1	+ 1.6	+ 1.1	+ 0.7	+ 0.2	- 0.4	- 0.3	1.79
APR	II	- 0.8	- 0.4	- 0.3	- 0.2	+ 0.1	+ 0.1	- 0.2	- 1.0	- 2.2	- 3.2	- 2.7	- 1.5	+ 0.4	+ 2.0	+ 3.0	+ 3.1	+ 2.9	+ 2.0	+ 1.0	+ 0.6	0.0	- 0.5	- 1.2	- 1.2	1.28
MAY	III	- 0.8	- 0.2	+ 0.2	+ 0.2	+ 0.6	+ 0.2	+ 0.3	- 0.1	- 1.2	- 2.1	- 2.3	- 1.4	0.0	+ 1.1	+ 2.1	+ 2.6	+ 2.0	+ 1.0	+ 0.5	+ 0.1	- 0.4	- 0.6	- 0.8	- 0.9	0.91
JUN	III	- 0.7	- 0.3	- 0.2	+ 0.3	+ 0.5	+ 0.5	+ 0.6	+ 0.7	+ 0.2	- 0.7	- 1.1	- 1.1	- 0.6	+ 0.3	+ 1.2	+ 1.8	+ 1.5	+ 0.7	+ 0.1	- 0.3	- 0.7	- 0.8	- 1.0	- 1.0	0.72
JUL	III	- 0.8	- 0.1	+ 0.3	+ 0.6	+ 0.7	+ 0.7	+ 0.7	+ 0.9	+ 0.2	- 0.8	- 1.6	- 1.3	- 0.1	+ 0.8	+ 1.2	+ 1.9	+ 1.5	+ 0.4	- 0.1	- 0.6	- 0.9	- 1.4	- 1.4	- 1.0	0.83
AUG	III	- 0.4	- 0.2	+ 0.3	+ 0.4	+ 0.8	+ 0.8	+ 1.2	+ 0.8	- 0.1	- 1.4	- 2.2	- 2.2	- 1.2	+ 0.1	+ 1.3	+ 1.9	+ 1.6	+ 0.9	+ 0.3	- 0.1	- 0.3	- 0.6	- 0.8	- 0.7	0.86
SEP	II	- 0.6	0.0	+ 0.5	+ 0.6	+ 0.8	+ 0.6	+ 0.5	- 0.7	- 2.2	- 3.1	- 2.8	- 1.5	+ 0.2	+ 1.7	+ 2.7	+ 2.7	+ 2.2	+ 1.2	+ 0.3	- 0.2	- 0.4	- 0.8	- 0.9	- 0.6	1.15
OCT	II	- 0.7	- 0.4	- 0.1	0.0	+ 0.3	+ 0.1	- 0.5	- 1.5	- 3.2	- 4.0	- 3.8	- 2.2	+ 0.6	+ 2.8	+ 4.0	+ 4.1	+ 3.2	+ 2.2	+ 0.9	+ 0.5	- 0.3	- 0.8	- 0.7	- 0.6	1.56
NOV	I	- 0.4	- 0.3	0.0	0.0	- 0.1	- 0.9	- 2.0	- 3.2	- 4.0	- 3.9	- 3.0	- 1.0	+ 1.2	+ 3.0	+ 4.0	+ 4.0	+ 3.2	+ 2.2	+ 1.3	+ 0.7	+ 0.1	- 0.2	- 0.5	- 0.5	1.67
DEC	I	- 0.2	- 0.2	- 0.2	- 0.3	- 0.8	- 1.7	- 3.0	- 4.1	- 4.1	- 3.7	- 2.2	+ 0.1	+ 2.0	+ 2.8	+ 3.5	+ 3.4	+ 2.9	+ 2.1	+ 1.5	+ 1.1	+ 0.6	+ 0.4	- 0.1	0.0	1.70
MEANS	I	- 0.3	- 0.3	- 0.2	- 0.3	- 0.5	- 1.3	- 2.6	- 3.8	- 4.6	- 4.5	- 3.0	- 0.6	+ 1.6	+ 3.2	+ 4.1	+ 4.0	+ 3.2	+ 2.3	+ 1.5	+ 1.1	+ 0.8	+ 0.4	0.0	- 0.3	1.86
	II	- 0.7	- 0.4	- 0.1	+ 0.1	+ 0.4	+ 0.1	- 0.2	- 1.3	- 2.9	- 3.7	- 3.4	- 2.0	+ 0.3	+ 2.2	+ 3.4	+ 3.6	+ 3.0	+ 2.1	+ 1.0	+ 0.5	0.0	- 0.5	- 0.8	- 0.7	1.39
	III	- 0.7	- 0.2	+ 0.1	+ 0.4	+ 0.6	+ 0.5	+ 0.7	+ 0.6	- 0.2	- 1.2	- 1.8	- 1.5	- 0.5	+ 0.6	+ 1.5	+ 2.0	+ 1.7	+ 0.8	+ 0.2	- 0.2	- 0.6	- 0.9	- 1.0	- 0.9	0.81
	YEAR	- 0.6	- 0.3	- 0.1	0.0	+ 0.2	- 0.2	- 0.7	- 1.5	- 2.6	- 3.1	- 2.7	- 1.4	+ 0.4	+ 2.0	+ 3.0	+ 3.2	+ 2.6	+ 1.7	+ 0.9	+ 0.5	+ 0.1	- 0.3	- 0.6	- 0.6	1.22

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 0.1	- 0.4	- 0.1	- 0.2	- 0.3	- 1.2	- 2.7	- 3.6	- 4.2	- 3.7	- 2.4	- 0.8	+ 0.5	+ 2.2	+ 3.2	+ 3.2	+ 2.6	+ 1.9	+ 1.5	+ 1.3	+ 1.1	+ 1.0	+ 0.7	+ 0.4	1.65
FEB	I	- 0.3	- 0.2	- 0.2	- 0.6	- 0.6	- 1.5	- 2.8	- 4.1	- 5.7	- 5.7	- 3.6	- 0.7	+ 1.9	+ 3.9	+ 4.9	+ 4.5	+ 3.4	+ 2.1	+ 1.3	+ 1.3	+ 1.2	+ 0.8	+ 0.5	+ 0.2	2.17
MAR	II	- 0.4	- 0.2	- 0.3	- 0.1	0.0	- 0.4	- 1.0	- 2.0	- 3.4	- 4.2	- 4.1	- 2.6	- 0.3	+ 1.9	+ 3.4	+ 3.8	+ 3.3	+ 2.3	+ 1.5	+ 1.2	+ 1.0	+ 0.3	+ 0.2	+ 0.3	1.60
APR	II	- 0.1	0.0	0.0	+ 0.1	+ 0.1	+ 0.1	- 0.2	- 1.1	- 2.6	- 3.5	- 3.3	- 1.9	0.0	+ 1.7	+ 2.5	+ 2.6	+ 2.2	+ 1.4	+ 0.9	+ 0.6	+ 0.3	+ 0.0	+ 0.1	0.0	1.05
MAY	III	- 0.3	0.0	+ 0.1	+ 0.3	+ 0.2	0.0	- 0.1	- 0.4	- 1.4	- 2.5	- 2.6	- 1.6	- 0.2	+ 1.0	+ 2.1	+ 2.6	+ 2.0	+ 1.0	+ 0.7	+ 0.2	- 0.1	- 0.3	- 0.4	- 0.4	0.86
JUN	III	- 0.3	0.0	+ 0.1	+ 0.4	+ 0.4	+ 0.5	+ 0.6	+ 0.5	0.0	- 0.9	- 1.6	- 1.4	- 0.8	+ 0.2	+ 1.2	+ 1.7	+ 1.4	+ 0.5	+ 0.1	- 0.3	- 0.6	- 0.6	- 0.6	- 0.5	0.63
JUL	III	- 0.4	- 0.1	+ 0.2	+ 0.5	+ 0.5	+ 0.4	+ 0.3	+ 0.6	0.0	- 1.0	- 1.8	- 1.4	- 0.4	+ 0.7	+ 1.6	+ 1.5	+ 1.2	+ 0.4	+ 0.1	- 0.2	- 0.4	- 0.7	- 0.7	- 0.5	0.66
AUG	III	- 0.1	+ 0.1	+ 0.2	+ 0.3	+ 0.5	+ 0.8	+ 0.6	+ 0.4	- 0.7	- 1.9	- 2.5	- 2.3	- 1.2	+ 0.1	+ 1.1	+ 1.8	+ 1.6	+ 1.0	+ 0.5	+ 0.2	+ 0.1	- 0.1	- 0.2	- 0.2	0.77
SEP	II	0.0	+ 0.3	+ 0.5	+ 0.3	+ 0.4	+ 0.4	+ 0.1	- 1.1	- 3.1	- 4.0	- 3.6	- 1.8	+ 0.3	+ 1.8	+ 2.8	+ 2.7	+ 2.1	+ 1.2	+ 0.6	+ 0.4	+ 0.2	0.0	- 0.2	- 0.2	1.17
OCT	II	- 0.5	- 0.2	- 0.1	- 0.1	0.0	- 0.3	- 1.2	- 2.3	- 3.7	- 4.2	- 3.8	- 2.3	+ 0.2	+ 2.4	+ 3.6	+ 3.8	+ 2.9	+ 2.0	+ 1.3	+ 1.0	+ 0.7	+ 0.4	+ 0.3	0.0	1.56
NOV	I	0.0	- 0.1	- 0.2	0.0	0.0	- 1.0	- 2.2	- 3.3	- 3.8	- 3.9	- 2.8	- 1.0	+ 1.1	+ 2.8	+ 3.7	+ 3.6	+ 2.7	+ 2.0	+ 1.2	+ 0.7	+ 0.4	+ 0.3	0.0	- 0.3	1.55
DEC	I	+ 0.2	- 0.1	- 0.2	- 0.4	- 0.9	- 1.7	- 2.8	- 3.5	- 3.4	- 3.2	- 2.0	- 0.2	+ 1.4	+ 2.0	+ 2.6	+ 2.7	+ 2.2	+ 1.8	+ 1.4	+ 1.2	+ 1.2	+ 1.0	+ 0.5	+ 0.2	1.53
MEANS	I	0.0	- 0.2	- 0.2	- 0.3	- 0.5	- 1.4	- 2.6	- 3.6	- 4.3	- 4.1	- 2.7	- 0.7	+ 1.2	+ 2.7	+ 3.6	+ 3.5	+ 2.8	+ 1.9	+ 1.4	+ 1.1	+ 1.0	+ 0.8	+ 0.4	+ 0.1	1.71
	II	- 0.2	0.0	0.0	0.0	+ 0.1	- 0.1	- 0.6	- 1.6	- 3.2	- 4.0	- 3.7	- 2.2	+ 0.1	+ 2.0	+ 3.0	+ 3.2	+ 2.6	+ 1.7	+ 1.1	+ 0.8	+ 0.5	+ 0.2	+ 0.1	+ 0.1	1.30
	III	- 0.3	0.0	+ 0.1	+ 0.4	+ 0.4	+ 0.4	+ 0.3	+ 0.2	- 0.5	- 1.6	- 2.1	- 1.7	- 0.6	+ 0.5	+ 1.5	+ 1.9	+ 1.6	+ 0.7	+ 0.4	0.0	- 0.3	- 0.4	- 0.5	- 0.4	0.71
	YEAR	- 0.2	- 0.1	0.0	0.0	0.0	- 0.3	- 1.0	- 1.7	- 2.7	- 3.2	- 2.8	- 1.5	+ 0.2	+ 1.7	+ 2.7	+ 2.9	+ 2.3	+ 1.5	+ 0.9	+ 0.6	+ 0.4	+ 0.2	0.0	- 0.1	1.13

TABLE 396--CONCLUDED

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 4.4	- 3.8	- 2.5	- 1.1	+ 0.2	+ 2.1	+ 3.1	+ 3.3	+ 2.6	+ 1.9	+ 1.5	+ 1.4	+ 1.3	+ 1.1	+ 0.7	+ 0.6	+ 0.4	+ 0.1	- 0.2	- 0.6	- 0.7	- 1.4	- 2.3	- 3.2	1.69
FEB	I	- 6.0	- 6.6	- 4.4	- 1.1	+ 1.9	+ 4.2	+ 5.3	+ 4.9	+ 3.6	+ 2.2	+ 1.4	+ 1.2	+ 1.1	+ 0.8	+ 0.6	+ 0.2	0.0	0.0	- 0.1	- 0.2	- 0.8	- 1.3	- 2.5	- 4.2	2.29
MAR	II	- 3.4	- 4.3	- 4.4	- 2.9	- 0.5	+ 1.9	+ 3.4	+ 3.8	+ 3.3	+ 2.3	+ 1.3	+ 1.0	+ 0.8	+ 0.4	+ 0.2	+ 0.1	- 0.2	- 0.2	0.0	+ 0.1	0.0	- 0.2	- 0.8	- 1.8	1.56
APR	II	- 2.4	- 3.6	- 3.5	- 2.4	- 0.5	+ 1.1	+ 2.0	+ 2.4	+ 2.0	+ 1.2	+ 0.8	+ 0.6	+ 0.4	+ 0.1	+ 0.2	+ 0.1	+ 0.2	+ 0.2	+ 0.3	+ 0.4	+ 0.3	+ 0.3	+ 0.1	- 0.4	1.07
MAY	III	- 1.5	- 2.6	- 2.6	- 1.6	- 0.3	+ 0.9	+ 1.9	+ 2.5	+ 1.9	+ 0.7	+ 0.6	+ 0.3	- 0.1	- 0.3	- 0.4	- 0.5	- 0.4	- 0.2	+ 0.2	+ 0.4	+ 0.4	+ 0.4	+ 0.3	- 0.2	0.88
JUN	III	- 0.1	- 1.2	- 2.0	- 1.7	- 0.7	+ 0.2	+ 1.2	+ 1.7	+ 1.5	+ 0.6	+ 0.3	- 0.3	- 0.6	- 0.7	- 0.6	- 0.6	- 0.4	+ 0.2	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.7	0.74
JUL	III	0.0	- 1.1	- 1.9	- 1.9	- 1.0	+ 0.3	+ 1.5	+ 1.6	+ 1.2	+ 0.4	+ 0.1	0.0	- 0.1	- 0.5	- 0.7	- 0.5	- 0.4	+ 0.1	+ 0.3	+ 0.4	+ 0.6	+ 0.5	+ 0.4	+ 0.7	0.67
AUG	III	- 0.7	- 1.7	- 2.2	- 2.0	- 1.2	- 0.2	+ 0.8	+ 1.4	+ 1.4	+ 1.0	+ 0.4	+ 0.2	+ 0.1	- 0.1	- 0.1	- 0.1	0.0	+ 0.1	+ 0.3	+ 0.5	+ 0.5	+ 0.6	+ 0.8	+ 0.3	0.70
SEP	II	- 3.8	- 4.4	- 4.0	- 2.0	+ 0.5	+ 2.3	+ 3.4	+ 3.1	+ 2.4	+ 1.5	+ 1.0	+ 0.8	+ 0.2	+ 0.1	+ 0.1	+ 0.1	0.0	+ 0.1	+ 0.4	+ 0.3	+ 0.3	+ 0.1	- 0.6	- 1.9	1.39
OCT	II	- 3.8	- 4.2	- 3.8	- 2.3	+ 0.3	+ 2.4	+ 3.6	+ 3.7	+ 2.8	+ 2.0	+ 1.2	+ 0.9	+ 0.4	+ 0.2	+ 0.2	- 0.1	+ 0.1	0.0	0.0	0.0	- 0.1	- 0.4	- 1.0	- 2.0	1.49
NOV	I	- 3.8	- 3.9	- 2.9	- 1.0	+ 1.1	+ 2.7	+ 3.5	+ 3.4	+ 2.7	+ 2.1	+ 1.3	+ 0.8	+ 0.4	+ 0.4	+ 0.1	- 0.4	0.0	+ 0.2	+ 0.1	0.0	- 0.2	- 0.9	- 2.2	- 3.5	1.56
DEC	I	- 3.3	- 2.9	- 1.5	+ 0.1	+ 1.6	+ 2.3	+ 2.8	+ 2.8	+ 2.4	+ 1.9	+ 1.5	+ 1.1	+ 1.1	+ 1.0	+ 0.5	+ 0.4	+ 0.2	- 0.3	- 0.5	- 0.7	- 1.2	- 1.9	- 3.2	- 4.1	1.64
MEANS	I	- 4.4	- 4.3	- 2.8	- 0.8	+ 1.2	+ 2.8	+ 3.7	+ 3.6	+ 2.8	+ 2.0	+ 1.4	+ 1.1	+ 1.0	+ 0.8	+ 0.5	+ 0.2	+ 0.2	0.0	- 0.2	- 0.4	- 0.7	- 1.4	- 2.6	- 3.7	1.78
	II	- 3.4	- 4.2	- 3.9	- 2.4	0.0	+ 1.9	+ 3.1	+ 3.2	+ 2.6	+ 1.7	+ 1.1	+ 0.8	+ 0.4	+ 0.2	+ 0.2	0.0	0.0	0.0	+ 0.2	+ 0.2	+ 0.1	0.0	- 0.6	- 1.5	1.34
	III	- 0.6	- 1.7	- 2.2	- 1.8	- 0.8	+ 0.3	+ 1.4	+ 1.8	+ 1.5	+ 0.7	+ 0.3	+ 0.1	- 0.2	- 0.4	- 0.5	- 0.4	- 0.3	+ 0.1	+ 0.3	+ 0.4	+ 0.5	+ 0.5	+ 0.5	+ 0.4	0.73
	YEAR	- 2.8	- 3.4	- 3.0	- 1.7	+ 0.1	+ 1.7	+ 2.7	+ 2.9	+ 2.3	+ 1.5	+ 1.0	+ 0.7	+ 0.4	+ 0.2	+ 0.1	- 0.1	0.0	0.0	+ 0.1	+ 0.1	0.0	- 0.3	- 0.9	- 1.6	1.14

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 6.1	- 5.3	- 2.7	+ 0.8	+ 3.6	+ 4.4	+ 4.8	+ 4.4	+ 3.6	+ 2.4	+ 1.6	+ 1.4	+ 1.7	+ 1.3	- 0.6	- 1.3	- 1.1	- 1.0	- 0.7	- 0.9	- 1.2	- 1.9	- 2.7	- 4.1	2.48
FEB	I	- 5.6	- 6.3	- 4.6	- 1.6	+ 1.6	+ 4.5	+ 6.0	+ 6.0	+ 4.9	+ 3.8	+ 2.9	+ 1.1	+ 1.1	+ 0.8	0.0	- 2.1	- 2.3	- 1.0	- 1.2	- 1.4	- 0.5	+ 0.2	- 2.2	- 4.4	2.76
MAR	II	- 5.3	- 6.4	- 5.8	- 3.7	- 0.5	+ 2.3	+ 4.3	+ 4.0	+ 3.8	+ 4.4	+ 2.8	+ 2.2	+ 1.7	+ 0.6	+ 0.1	- 1.1	- 1.5	- 3.1	- 1.4	+ 0.7	+ 3.0	+ 0.7	+ 0.3	- 2.1	2.58
APR	II	- 1.2	- 2.0	- 1.2	- 0.6	+ 0.8	+ 2.7	+ 4.4	+ 4.5	+ 4.5	+ 2.8	+ 0.2	- 0.6	- 0.8	- 1.1	- 3.6	- 4.0	- 2.0	- 0.9	- 0.7	- 0.7	+ 0.4	0.0	0.0	- 1.1	1.70
MAY	III	- 0.6	- 1.1	- 2.0	- 1.3	+ 0.2	+ 1.4	+ 2.5	+ 2.8	+ 1.8	+ 1.1	+ 0.3	- 0.4	- 1.2	- 1.6	- 2.0	- 1.7	- 2.1	- 0.8	+ 0.6	+ 0.8	+ 1.6	+ 0.4	+ 0.9	+ 0.6	1.24
JUN	III	+ 0.3	- 0.1	- 1.0	- 0.9	- 0.5	+ 0.9	+ 1.5	+ 1.6	+ 1.2	+ 0.3	0.0	- 0.3	- 1.0	- 0.9	- 1.6	- 1.2	- 1.1	- 0.8	- 1.2	+ 0.3	+ 0.9	+ 0.8	+ 1.2	+ 1.6	0.89
JUL	III	+ 0.5	- 0.1	- 1.3	- 1.1	+ 0.1	+ 1.2	+ 1.5	+ 3.1	+ 2.5	+ 0.6	- 0.4	- 0.7	- 1.8	- 2.9	- 3.2	- 2.4	- 2.0	+ 0.1	+ 0.1	+ 0.2	+ 1.9	+ 1.6	+ 0.9	+ 1.4	1.32
AUG	III	+ 0.2	- 1.0	- 2.0	- 2.0	- 1.1	+ 0.2	+ 1.4	+ 2.2	+ 1.6	+ 0.3	+ 0.4	0.0	- 0.8	- 1.0	- 1.4	- 1.3	- 1.5	- 1.2	+ 0.5	+ 0.5	+ 1.3	+ 0.2	+ 2.9	+ 1.7	1.11
SEP	II	- 0.8	- 2.0	- 2.4	- 1.4	+ 0.2	+ 1.8	+ 2.8	+ 2.9	+ 2.1	+ 0.4	- 0.2	- 1.4	- 1.1	- 1.4	- 2.6	- 1.4	- 0.5	+ 0.2	+ 0.7	+ 0.6	+ 1.0	+ 0.6	+ 1.5	+ 0.1	1.25
OCT	II	- 3.3	- 3.6	- 2.9	- 1.0	+ 2.0	+ 4.2	+ 5.6	+ 5.6	+ 4.7	+ 3.3	+ 0.1	- 0.2	- 0.5	- 2.2	- 2.2	- 1.1	- 3.3	- 1.8	- 1.6	- 0.7	0.0	+ 0.2	- 0.2	- 1.2	2.14
NOV	I	- 4.3	- 3.6	- 2.2	+ 0.3	+ 3.0	+ 4.3	+ 5.0	+ 4.9	+ 3.6	+ 2.6	+ 0.8	+ 0.5	- 0.6	- 1.2	- 1.1	- 1.1	- 1.1	- 0.8	- 0.8	- 0.4	- 0.5	- 1.4	- 2.5	- 3.3	2.08
DEC	I	- 4.9	- 4.5	- 2.7	+ 0.3	+ 2.7	+ 3.3	+ 4.2	+ 3.9	+ 3.3	+ 2.6	+ 1.8	+ 1.4	- 0.7	- 1.2	- 1.4	- 0.6	- 0.8	0.0	0.0	+ 0.2	+ 0.2	- 0.9	- 2.3	- 3.8	2.00
MEANS	I	- 5.2	- 4.9	- 3.1	0.0	+ 2.7	+ 4.1	+ 5.0	+ 4.8	+ 3.9	+ 2.9	+ 1.8	+ 1.1	+ 0.4	- 0.1	- 0.8	- 1.3	- 1.3	- 0.7	- 0.7	- 0.6	- 0.5	- 1.0	- 2.4	- 3.9	2.22
	II	- 2.6	- 3.5	- 3.1	- 1.7	+ 0.6	+ 2.8	+ 4.3	+ 4.2	+ 3.8	+ 2.7	+ 0.7	0.0	- 0.2	- 1.0	- 2.1	- 1.9	- 1.8	- 1.4	- 0.7	0.0	+ 1.1	+ 0.4	+ 0.4	- 1.1	1.76
	III	+ 0.1	- 0.6	- 1.5	- 1.3	- 0.3	+ 0.9	+ 1.7	+ 2.5	+ 1.8	+ 0.6	+ 0.1	- 0.4	- 1.2	- 1.6	- 2.1	- 1.6	- 1.7	- 0.7	0.0	+ 0.5	+ 1.4	+ 0.7	+ 1.5	+ 1.3	1.09
	YEAR	- 2.6	- 3.0	- 2.6	- 1.0	+ 1.0	+ 2.6	+ 3.7	+ 3.8	+ 3.1	+ 2.0	+ 0.9	+ 0.3	- 0.3	- 0.9	- 1.6	- 1.6	- 1.6	- 0.9	- 0.5	- 0.1	+ 0.7	0.0	- 0.2	- 1.2	1.51

TABLE 397

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.22	-0.12	+0.02	+0.10	+0.09	-0.02	-0.08	-0.18	-0.16	+0.05	+0.27	+0.54	+0.64	+0.68	+0.46	+0.19	-0.01	-0.25	-0.38	-0.39	-0.34	-0.36	-0.31	-0.23	0.25
FEB	I	+0.01	+0.12	+0.23	+0.18	+0.21	+0.19	+0.03	-0.30	-0.62	-0.69	-0.32	+0.17	+0.51	+0.63	+0.52	+0.37	-0.02	-0.13	-0.24	-0.16	-0.22	-0.14	-0.12	-0.19	0.26
MAR	II	+0.03	+0.24	+0.36	+0.51	+0.49	+0.38	+0.19	+0.06	-0.31	-0.53	-0.36	+0.09	+0.31	+0.39	+0.40	+0.15	-0.08	-0.28	-0.78	-0.41	-0.35	-0.34	-0.19	+0.05	0.30
APR	II	-0.10	+0.21	+0.30	+0.37	+0.40	+0.45	+0.47	+0.40	+0.07	-0.22	-0.08	+0.13	+0.33	+0.35	+0.06	-0.24	-0.29	-0.23	-0.27	-0.46	-0.65	-0.48	-0.32	-0.29	0.30
MAY	III	-0.11	+0.02	+0.16	+0.24	+0.43	+0.38	+0.45	+0.61	+0.61	+0.43	+0.19	+0.11	+0.06	-0.14	-0.38	-0.54	-0.45	-0.30	-0.29	-0.38	-0.41	-0.36	-0.31	-0.12	0.31
JUN	III	-0.23	-0.06	-0.04	+0.10	+0.17	+0.27	+0.36	+0.59	+0.70	+0.55	+0.41	+0.28	-0.03	-0.19	-0.27	-0.24	-0.23	-0.13	-0.12	-0.17	-0.31	-0.40	-0.57	-0.43	0.29
JUL	III	-0.18	+0.09	+0.16	+0.32	+0.40	+0.44	+0.43	+0.58	+0.58	+0.51	+0.42	+0.35	+0.22	-0.10	-0.26	-0.31	-0.44	-0.50	-0.50	-0.55	-0.54	-0.51	-0.38	-0.25	0.38
AUG	III	+0.03	+0.10	+0.37	+0.35	+0.41	+0.40	+0.61	+0.59	+0.52	+0.33	+0.18	+0.01	-0.15	-0.31	-0.49	-0.57	-0.43	-0.22	-0.20	-0.26	-0.30	-0.41	-0.31	-0.33	0.33
SEP	II	+0.19	+0.32	+0.48	+0.44	+0.50	+0.43	+0.37	+0.29	+0.17	+0.04	+0.02	+0.05	-0.15	-0.16	-0.24	-0.26	-0.33	-0.50	-0.49	-0.31	-0.25	-0.25	-0.31	-0.01	0.27
OCT	II	+0.18	+0.22	+0.18	+0.25	+0.33	+0.34	+0.20	+0.10	-0.06	-0.15	-0.01	+0.20	+0.23	+0.19	+0.18	+0.01	-0.23	-0.32	-0.42	-0.41	-0.40	-0.43	-0.26	+0.16	0.23
NOV	I	+0.04	+0.16	+0.35	+0.27	+0.24	+0.06	0.00	-0.10	-0.23	+0.04	+0.33	+0.51	+0.57	+0.53	+0.27	0.00	-0.31	-0.49	-0.52	-0.62	-0.44	-0.37	-0.32	+0.01	0.28
DEC	I	-0.22	-0.03	-0.03	-0.09	-0.16	-0.20	-0.27	-0.37	-0.19	+0.26	+0.69	+0.92	+0.98	+0.86	+0.50	+0.10	-0.21	-0.33	-0.40	-0.31	-0.33	-0.54	-0.34	-0.27	0.36
MEANS	I	-0.10	+0.03	+0.14	+0.12	+0.10	+0.01	-0.08	-0.24	-0.30	-0.08	+0.24	+0.54	+0.68	+0.68	+0.44	+0.16	-0.14	-0.30	-0.38	-0.37	-0.33	-0.35	-0.27	-0.17	0.26
	II	+0.08	+0.25	+0.33	+0.39	+0.43	+0.40	+0.31	+0.21	-0.03	-0.22	-0.11	+0.12	+0.18	+0.19	+0.10	-0.08	-0.23	-0.33	-0.49	-0.40	-0.41	-0.38	-0.27	-0.02	0.25
	III	-0.12	+0.04	+0.16	+0.25	+0.35	+0.37	+0.46	+0.59	+0.60	+0.46	+0.30	+0.19	+0.02	-0.18	-0.35	-0.42	-0.39	-0.29	-0.28	-0.34	-0.39	-0.42	-0.39	-0.28	0.32
	YEAR	-0.05	+0.11	+0.21	+0.25	+0.29	+0.26	+0.23	+0.19	+0.09	+0.05	+0.14	+0.28	+0.29	+0.23	+0.06	-0.11	-0.25	-0.31	-0.38	-0.37	-0.38	-0.38	-0.31	-0.16	0.22

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.21	-0.17	-0.11	-0.15	-0.17	-0.20	-0.29	-0.36	-0.31	-0.07	+0.13	+0.30	+0.36	+0.43	+0.36	+0.30	+0.21	+0.06	-0.06	-0.07	-0.05	+0.01	+0.04	+0.01	0.18
FEB	I	-0.17	-0.13	-0.10	-0.07	-0.01	-0.03	-0.24	-0.53	-0.88	-0.81	-0.31	+0.17	+0.52	+0.57	+0.57	+0.42	+0.32	+0.12	+0.08	+0.16	+0.15	+0.12	+0.04	+0.06	0.27
MAR	II	-0.33	-0.21	-0.05	+0.02	+0.07	+0.07	-0.02	-0.08	-0.23	-0.29	+0.02	+0.31	+0.38	+0.39	+0.48	+0.34	0.00	-0.24	-0.25	-0.16	-0.08	-0.12	0.00	+0.03	0.17
APR	II	-0.17	+0.03	-0.03	+0.01	+0.09	+0.06	+0.04	+0.03	-0.22	-0.33	-0.29	-0.23	+0.02	+0.07	-0.06	-0.17	-0.04	+0.10	+0.16	+0.15	+0.11	+0.22	+0.19	+0.18	0.12
MAY	III	-0.06	0.00	+0.02	+0.03	+0.22	+0.25	+0.28	+0.46	+0.45	+0.26	+0.01	-0.19	-0.20	-0.25	-0.28	-0.17	-0.14	-0.03	-0.01	-0.08	-0.12	-0.13	-0.16	-0.08	0.16
JUN	III	-0.38	-0.21	-0.21	-0.02	+0.02	+0.15	+0.24	+0.47	+0.57	+0.52	+0.34	+0.20	-0.06	-0.18	-0.27	-0.25	-0.20	-0.06	-0.02	-0.02	-0.13	-0.17	-0.18	-0.13	0.21
JUL	III	-0.41	-0.22	-0.16	-0.13	0.00	+0.05	+0.06	+0.34	+0.48	+0.44	+0.36	+0.39	+0.35	+0.32	+0.11	-0.29	-0.27	-0.15	-0.06	-0.10	-0.26	-0.29	-0.28	-0.26	0.24
AUG	III	-0.16	-0.06	-0.02	+0.10	+0.14	+0.28	+0.38	+0.41	+0.29	+0.11	+0.04	-0.03	-0.09	-0.15	-0.32	-0.24	-0.19	-0.05	+0.07	-0.04	-0.05	-0.22	-0.16	-0.09	0.15
SEP	II	-0.01	+0.23	+0.33	+0.26	+0.29	+0.27	+0.23	+0.10	-0.13	-0.17	-0.11	+0.09	+0.14	+0.25	+0.24	0.00	-0.12	-0.18	-0.18	-0.27	-0.38	-0.39	-0.30	-0.15	0.20
OCT	II	-0.25	-0.11	+0.04	+0.01	-0.03	-0.03	-0.05	-0.16	-0.32	-0.21	+0.04	+0.26	+0.34	+0.29	+0.33	+0.30	-0.03	-0.09	-0.13	-0.14	-0.16	-0.03	+0.02	+0.13	0.15
NOV	I	+0.01	0.00	+0.28	+0.13	+0.21	+0.10	-0.01	-0.13	-0.14	+0.05	+0.39	+0.54	+0.48	+0.24	+0.06	+0.01	-0.20	-0.37	-0.40	-0.39	-0.25	-0.31	-0.27	-0.06	0.21
DEC	I	-0.17	-0.15	-0.19	-0.21	-0.37	-0.38	-0.32	-0.29	-0.14	+0.27	+0.62	+0.84	+0.84	+0.72	+0.32	0.00	-0.18	-0.21	-0.18	-0.16	-0.17	-0.20	-0.19	-0.16	0.30
MEANS	I	-0.14	-0.11	-0.03	-0.08	-0.08	-0.13	-0.22	-0.33	-0.37	-0.14	+0.21	+0.46	+0.55	+0.49	+0.33	+0.18	+0.04	-0.10	-0.14	-0.12	-0.08	-0.10	-0.10	-0.04	0.19
	II	-0.19	-0.02	+0.07	+0.08	+0.10	+0.09	+0.05	-0.03	-0.22	-0.25	-0.08	+0.11	+0.22	+0.25	+0.25	+0.12	-0.05	-0.10	-0.10	-0.10	-0.13	-0.08	-0.02	+0.05	0.12
	III	-0.25	-0.12	-0.09	0.00	+0.10	+0.18	+0.24	+0.42	+0.45	+0.33	+0.19	+0.09	0.00	-0.06	-0.19	-0.24	-0.20	-0.07	0.00	-0.06	-0.14	-0.20	-0.20	-0.14	0.16
	YEAR	-0.19	-0.08	-0.02	0.00	+0.04	+0.05	+0.02	+0.02	-0.05	-0.02	+0.10	+0.22	+0.26	+0.22	+0.13	+0.02	-0.07	-0.09	-0.08	-0.09	-0.12	-0.13	-0.10	-0.04	0.09

TABLE 397--CONCLUDED

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.53	-0.36	-0.13	+0.08	+0.24	+0.36	+0.31	+0.26	+0.19	+0.04	-0.12	-0.22	-0.16	-0.08	-0.04	-0.04	-0.02	+0.13	+0.17	+0.17	+0.13	-0.03	-0.07	-0.23	0.17
FEB	I	-1.04	-1.12	-0.50	+0.05	+0.40	+0.30	+0.32	+0.18	+0.03	-0.14	-0.11	+0.05	+0.05	+0.08	+0.06	+0.05	+0.10	+0.11	+0.20	+0.30	+0.36	+0.30	+0.14	-0.22	0.26
MAR	II	-0.33	-0.39	-0.23	-0.07	-0.02	+0.13	+0.38	+0.32	+0.03	-0.16	-0.29	-0.22	-0.17	-0.22	-0.09	-0.02	+0.07	+0.07	+0.20	+0.29	+0.34	+0.30	+0.10	-0.06	0.19
APR	II	-0.41	-0.51	-0.46	-0.34	0.00	+0.08	-0.16	-0.34	-0.25	-0.08	-0.01	-0.03	-0.03	+0.07	+0.05	+0.02	+0.09	+0.19	+0.20	+0.30	+0.34	+0.38	+0.44	+0.47	0.22
MAY	III	+0.33	+0.12	-0.11	-0.22	-0.23	-0.23	-0.24	-0.11	-0.12	-0.02	-0.04	-0.08	-0.18	-0.19	-0.23	-0.08	+0.02	+0.05	+0.03	+0.09	+0.19	+0.26	+0.39	+0.52	0.17
JUN	III	+0.53	+0.52	+0.37	+0.25	+0.04	-0.04	-0.35	-0.45	-0.35	-0.22	-0.20	-0.22	-0.26	-0.25	-0.26	-0.25	-0.20	-0.13	-0.07	+0.03	+0.15	+0.24	+0.39	+0.64	0.27
JUL	III	+0.44	+0.33	+0.15	+0.13	+0.12	+0.21	+0.10	-0.12	-0.11	-0.07	0.00	-0.10	-0.40	-0.57	-0.54	-0.40	-0.25	-0.16	-0.08	0.00	+0.16	+0.26	+0.34	+0.51	0.23
AUG	III	+0.17	+0.11	+0.06	0.00	-0.02	-0.17	-0.47	-0.42	-0.34	-0.19	-0.09	-0.12	-0.12	-0.15	-0.12	-0.10	0.00	+0.03	+0.07	+0.24	+0.26	+0.38	+0.46	+0.46	0.19
SEP	II	-0.25	-0.32	-0.19	+0.13	+0.25	+0.44	+0.48	+0.26	+0.20	+0.04	-0.02	-0.24	-0.52	-0.55	-0.58	-0.38	-0.27	+0.09	+0.26	+0.27	+0.26	+0.29	+0.24	+0.11	0.28
OCT	II	-0.48	-0.33	-0.01	+0.14	+0.17	+0.11	+0.18	0.00	-0.28	-0.35	-0.31	-0.37	-0.38	-0.20	-0.09	+0.03	+0.11	+0.29	+0.25	+0.24	+0.35	+0.37	+0.35	+0.24	0.23
NOV	I	-0.04	+0.17	+0.36	+0.41	+0.31	+0.09	-0.04	-0.12	-0.32	-0.36	-0.42	-0.47	-0.33	-0.29	-0.22	-0.08	+0.05	+0.14	+0.15	+0.07	+0.14	+0.21	+0.31	+0.33	0.23
DEC	I	-0.23	+0.10	+0.43	+0.63	+0.60	+0.45	+0.04	-0.19	-0.35	-0.30	-0.18	-0.14	-0.07	-0.09	-0.05	-0.18	-0.10	-0.10	-0.05	-0.05	-0.03	+0.03	-0.01	-0.16	0.19
MEANS	I	-0.46	-0.30	+0.04	+0.29	+0.39	+0.30	+0.16	+0.03	-0.11	-0.19	-0.21	-0.20	-0.13	-0.10	-0.06	-0.06	+0.01	+0.07	+0.12	+0.12	+0.15	+0.13	+0.09	-0.07	0.16
	II	-0.37	-0.39	-0.22	-0.04	+0.10	+0.19	+0.22	+0.06	-0.08	-0.14	-0.16	-0.22	-0.28	-0.22	-0.18	-0.09	0.00	+0.16	+0.23	+0.28	+0.32	+0.34	+0.28	+0.19	0.20
	III	+0.37	+0.27	+0.12	+0.04	-0.02	-0.06	-0.24	-0.28	-0.23	-0.12	-0.08	-0.13	-0.24	-0.29	-0.29	-0.21	-0.11	-0.05	-0.01	+0.09	+0.19	+0.28	+0.40	+0.53	0.19
	YEAR	-0.15	-0.14	-0.02	+0.10	+0.16	+0.14	+0.05	-0.06	-0.14	-0.15	-0.15	-0.18	-0.21	-0.20	-0.18	-0.12	-0.03	+0.06	+0.11	+0.16	+0.22	+0.25	+0.26	+0.22	0.14

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.13	-0.04	+0.12	+0.48	+0.96	+0.49	-0.07	-0.54	-0.79	-1.15	-1.24	-0.84	-0.40	-0.28	+0.01	+0.24	-0.02	+0.19	+0.54	+0.78	+0.60	+0.49	+0.47	+0.16	0.46
FEB	I	+0.19	-0.39	-0.17	+0.32	+0.49	+0.83	+0.74	+0.65	-0.11	+0.36	-0.08	-0.25	-0.28	-0.17	-0.21	-0.73	-0.50	-0.06	+0.12	-0.27	+0.03	+0.14	-0.14	-0.55	0.32
MAR	II	-0.63	-1.03	-1.57	-0.38	+0.44	+0.37	+0.35	0.00	+0.20	+0.84	-0.86	+0.11	-0.09	-0.15	+0.12	+0.51	+0.19	+0.35	+0.66	+0.91	+0.79	+0.11	-0.48	-0.78	0.50
APR	II	+1.44	+0.95	+0.88	+0.54	+0.46	+0.30	-0.52	-1.37	-1.10	-1.28	-1.46	-1.86	-1.91	-0.81	-0.40	-0.44	-0.54	+0.71	+0.89	+0.83	+1.00	+1.16	+1.28	+1.26	0.97
MAY	III	+1.30	+1.10	+1.00	+0.95	+0.87	+0.36	-0.45	-1.04	-0.85	-0.90	-0.91	-1.00	-0.89	-0.91	-0.77	-0.38	-0.50	-0.11	+0.14	+0.36	+0.81	+0.50	+0.59	+0.67	0.72
JUN	III	+1.10	+0.85	+0.58	+0.47	-0.07	-0.25	-0.35	-0.26	+0.07	+0.29	+0.39	+0.14	-0.06	-0.63	-1.22	-0.75	-0.24	-0.31	-0.38	-0.13	-0.02	+0.22	+0.25	+0.34	0.39
JUL	III	+1.67	+1.63	+1.43	+1.02	+0.57	+0.32	-0.31	-0.26	-0.58	-1.15	-1.17	-1.37	-1.45	-1.64	-0.88	-0.73	-0.55	+0.12	+0.32	+0.52	+0.90	+1.02	+0.38	+0.24	0.84
AUG	III	+1.03	+0.61	+0.35	-0.05	-0.19	-0.39	-0.76	-0.96	-0.75	-0.61	-0.48	-0.27	-0.42	-0.68	-0.27	-0.10	+0.06	-0.15	+0.78	+0.79	+0.73	+0.47	+0.86	+0.44	0.51
SEP	II	+0.86	+0.41	+0.29	+0.09	-0.32	-0.35	-0.56	-0.53	-0.96	-1.44	-1.41	-0.64	-0.21	-0.06	-0.52	+0.20	+0.84	+0.50	+0.86	+0.69	+0.91	+0.55	+0.52	+0.24	0.58
OCT	II	+0.85	+0.76	+0.68	+0.81	+0.89	+1.26	+1.08	+0.39	+0.20	-0.17	-0.37	-0.42	-1.16	-1.77	-1.32	+0.20	-0.58	-0.60	-0.74	-0.41	+0.24	+0.50	-0.01	-0.30	0.65
NOV	I	-0.05	+0.35	+0.61	+0.49	+0.43	+0.49	+0.22	-0.43	-0.87	-1.03	-1.02	-0.98	-0.37	-0.26	-0.38	+0.27	+0.37	+0.56	+0.76	+0.65	+0.50	-0.01	-0.22	-0.15	0.48
DEC	I	+0.34	+0.56	+0.78	+0.91	+1.27	+1.27	+0.96	+0.43	+0.07	-0.02	-0.73	-0.64	-0.75	-1.23	-0.49	-0.27	-0.30	+0.43	+0.35	-0.20	-0.48	-0.67	-0.71	-0.98	0.62
MEANS	I	+0.09	+0.12	+0.34	+0.55	+0.79	+0.77	+0.46	+0.03	-0.42	-0.46	-0.77	-0.68	-0.45	-0.48	-0.27	-0.12	-0.11	+0.28	+0.44	+0.24	+0.16	-0.01	-0.15	-0.38	0.36
	II	+0.63	+0.27	+0.07	+0.26	+0.37	+0.40	+0.09	-0.38	-0.42	-0.51	-1.02	-0.70	-0.84	-0.70	-0.53	+0.12	-0.02	+0.24	+0.42	+0.50	+0.74	+0.58	+0.33	+0.10	0.43
	III	+1.28	+1.05	+0.84	+0.60	+0.30	+0.01	-0.47	-0.63	-0.53	-0.59	-0.54	-0.62	-0.70	-0.97	-0.78	-0.49	-0.31	-0.11	+0.22	+0.38	+0.60	+0.55	+0.52	+0.42	0.56
	YEAR	+0.66	+0.48	+0.42	+0.47	+0.48	+0.39	+0.03	-0.33	-0.46	-0.52	-0.78	-0.67	-0.67	-0.72	-0.53	-0.16	-0.15	+0.14	+0.36	+0.38	+0.50	+0.37	+0.23	+0.05	0.41

TABLE 398

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	+ 1	+ 2	+ 4	+ 4	+ 4	+ 5	+ 3	+ 2	+ 1	- 2	- 3	- 3	- 2	- 3	- 3	- 2	- 3	- 3	- 3	- 2	- 1	0	+ 1	2.3
FEB	I	+ 5	+ 5	+ 6	+ 5	+ 5	+ 6	+ 7	+ 5	0	- 7	-11	-11	-10	- 8	- 7	- 3	- 2	+ 1	+ 1	+ 2	+ 1	+ 3	+ 4	+ 3	5.0
MAR	II	+ 6	+ 8	+ 8	+ 9	+ 8	+ 8	+ 6	+ 7	+ 2	- 3	- 6	- 6	-10	-12	-10	- 8	- 6	- 4	- 7	- 1	+ 1	+ 1	+ 4	+ 6	6.1
APR	II	+ 1	+ 4	+ 5	+ 6	+ 6	+ 8	+ 9	+10	+ 6	0	- 2	- 3	- 5	- 6	- 9	-10	- 6	- 2	- 1	- 3	- 6	- 2	0	0	4.7
MAY	III	0	0	+ 2	+ 3	+ 6	+ 6	+ 8	+12	+14	+12	+ 5	0	- 5	-10	-14	-15	- 9	- 3	- 2	- 3	- 3	- 2	- 2	0	5.7
JUN	III	- 3	- 2	- 2	0	+ 1	+ 4	+ 5	+ 9	+12	+12	+ 9	+ 5	- 2	- 7	- 9	- 8	- 5	0	0	0	- 2	- 4	- 7	- 5	4.7
JUL	III	- 2	+ 1	+ 1	+ 4	+ 5	+ 6	+ 6	+ 9	+11	+12	+10	+ 5	- 1	- 8	-10	-10	- 8	- 6	- 5	- 5	- 5	- 4	- 3	- 2	5.9
AUG	III	+ 1	+ 2	+ 5	+ 5	+ 5	+ 5	+ 8	+10	+12	+10	+ 7	+ 1	- 6	-12	-15	-15	- 9	- 3	- 1	- 1	- 2	- 3	- 2	- 3	6.0
SEP	II	+ 4	+ 5	+ 7	+ 6	+ 7	+ 7	+ 7	+ 9	+ 9	+ 5	+ 1	- 4	-12	-13	-13	- 9	- 7	- 6	- 3	- 1	0	0	- 1	+ 2	5.8
OCT	II	+ 6	+ 5	+ 3	+ 4	+ 5	+ 6	+ 5	+ 6	+ 5	+ 2	- 1	- 4	- 9	-11	- 9	- 7	- 5	- 3	- 2	- 1	0	- 1	+ 1	+ 6	4.4
NOV	I	+ 3	+ 4	+ 6	+ 4	+ 4	+ 4	+ 5	+ 4	0	+ 2	+ 2	0	- 2	- 3	- 5	- 5	- 5	- 6	- 4	- 6	- 2	- 1	- 1	+ 3	3.3
DEC	I	- 1	+ 1	+ 1	- 1	- 1	0	+ 1	0	- 1	+ 3	+ 4	+ 4	+ 5	+ 5	+ 2	- 1	- 3	- 3	- 3	- 2	- 1	- 4	- 2	- 1	2.1
MEANS	I	+ 1.8	+ 2.8	+ 3.8	+ 3.1	+ 3.2	+ 3.5	+ 4.5	+ 2.9	+ 0.3	- 0.5	- 2.0	- 2.6	- 2.7	- 2.3	- 3.3	- 3.0	- 3.1	- 2.6	- 2.4	- 2.0	- 0.9	- 0.9	+ 0.4	+ 1.6	2.3
	II	+ 4.2	+ 5.5	+ 5.8	+ 6.3	+ 6.4	+ 7.0	+ 6.8	+ 7.8	+ 5.5	+ 1.0	- 1.8	- 4.6	- 9.0	-10.5	-10.1	- 8.6	- 5.8	- 3.8	- 3.3	- 1.6	- 1.2	- 0.4	+ 0.8	+ 3.5	5.0
	III	- 1.2	+ 0.2	+ 1.7	+ 2.9	+ 4.4	+ 5.4	+ 6.8	+ 9.7	+12.2	+11.4	+ 7.8	+ 2.6	- 3.4	- 9.0	-12.2	-11.9	- 7.8	- 3.0	- 2.0	- 2.4	- 3.1	- 3.5	- 3.6	- 2.6	5.5
	YEAR	+ 1.6	+ 2.8	+ 3.8	+ 4.1	+ 4.7	+ 5.3	+ 6.1	+ 6.8	+ 6.0	+ 4.0	+ 1.3	- 1.5	- 5.0	- 7.3	- 8.5	- 7.8	- 5.5	- 3.1	- 2.6	- 2.0	- 1.7	- 1.6	- 0.8	+ 0.8	4.0

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	0	0	0	0	0	+ 1	+ 2	+ 1	0	0	- 2	- 4	- 5	- 6	- 5	- 2	+ 2	+ 3	+ 2	+ 2	+ 2	+ 4	+ 4	+ 4	2.2
FEB	I	+ 1	+ 1	+ 1	+ 1	+ 2	+ 4	+ 4	+ 1	- 4	- 9	-13	-12	-10	- 8	- 5	- 1	+ 4	+ 6	+ 6	+ 6	+ 7	+ 7	+ 6	+ 6	5.2
MAR	II	- 2	- 1	+ 2	+ 2	+ 3	+ 4	+ 4	+ 5	+ 4	+ 1	0	- 2	- 7	-10	- 7	- 5	- 4	- 3	- 1	+ 1	+ 3	+ 3	+ 5	+ 4	3.4
APR	II	- 1	+ 1	0	+ 1	+ 2	+ 2	+ 3	+ 5	+ 3	0	- 4	- 8	-10	-10	-10	- 8	- 2	+ 3	+ 5	+ 5	+ 5	+ 7	+ 6	+ 6	4.6
MAY	III	0	0	+ 1	0	+ 4	+ 5	+ 6	+ 9	+11	+ 9	+ 2	- 6	- 9	-11	-12	- 8	- 4	+ 1	+ 2	+ 1	0	0	0	+ 1	4.3
JUN	III	- 6	- 4	- 4	- 2	- 1	+ 2	+ 3	+ 7	+11	+12	+ 8	+ 3	- 3	- 6	- 9	- 8	- 4	+ 1	+ 2	+ 2	0	- 1	- 1	- 1	4.2
JUL	III	- 6	- 3	- 3	- 3	- 1	0	+ 1	+ 5	+10	+11	+10	+ 7	+ 2	0	- 4	- 9	- 6	- 1	0	0	- 2	- 2	- 2	- 3	3.8
AUG	III	- 2	- 1	- 1	+ 1	+ 2	+ 4	+ 6	+ 8	+ 9	+ 8	+ 5	0	- 6	-10	-12	-10	- 6	0	+ 2	+ 1	+ 2	- 1	0	0	4.0
SEP	II	+ 1	+ 4	+ 5	+ 5	+ 5	+ 6	+ 6	+ 8	+ 7	+ 4	- 1	- 6	-10	- 8	- 6	- 6	- 3	- 1	0	- 1	- 2	- 3	- 2	0	4.1
OCT	II	- 2	- 1	+ 1	+ 1	+ 1	+ 2	+ 4	+ 4	+ 2	+ 2	0	- 3	- 7	- 9	- 7	- 3	- 2	0	+ 1	+ 2	+ 2	+ 4	+ 4	+ 5	2.9
NOV	I	+ 2	+ 2	+ 5	+ 3	+ 5	+ 5	+ 5	+ 4	+ 1	+ 2	+ 2	+ 1	- 2	- 7	- 8	- 4	- 3	- 4	- 3	- 3	- 1	- 2	- 2	+ 1	3.1
DEC	I	- 1	- 1	- 1	- 2	- 3	- 2	- 1	0	- 1	+ 3	+ 4	+ 4	+ 5	+ 4	0	- 2	- 2	- 2	- 1	- 1	- 1	- 1	- 1	+ 1	1.9
MEANS	I	+ 0.8	+ 0.6	+ 1.4	+ 0.6	+ 0.8	+ 2.0	+ 2.7	+ 1.4	- 1.0	- 1.3	- 2.3	- 2.8	- 3.1	- 4.1	- 4.4	- 2.3	+ 0.2	+ 0.6	+ 0.7	+ 1.0	+ 1.9	+ 1.8	+ 2.0	+ 2.9	1.8
	II	- 1.1	+ 0.8	+ 2.1	+ 2.2	+ 2.8	+ 3.3	+ 4.3	+ 5.5	+ 3.9	+ 1.6	- 1.1	- 4.8	- 8.5	- 9.5	- 7.6	- 5.4	- 3.0	- 0.2	+ 1.4	+ 1.8	+ 1.8	+ 2.7	+ 3.1	+ 3.7	3.4
	III	- 3.5	- 2.0	- 1.8	- 0.8	+ 1.0	+ 2.5	+ 3.9	+ 7.2	+10.1	+ 9.8	+ 6.1	+ 1.0	- 4.0	- 6.8	- 9.5	- 8.8	- 4.6	0.0	+ 1.6	+ 1.2	+ 0.2	- 1.0	- 1.0	- 0.8	3.7
	YEAR	- 1.3	- 0.2	+ 0.5	+ 0.6	+ 1.5	+ 2.6	+ 3.6	+ 4.7	+ 4.4	+ 3.4	+ 0.9	- 2.2	- 5.2	- 6.8	- 7.2	- 5.5	- 2.5	+ 0.2	+ 1.2	+ 1.4	+ 1.3	+ 1.2	+ 1.3	+ 2.0	2.6

TABLE 398--CONCLUDED

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST. I DOWN. H. Z TOWARD NADIR. X NORTHWARD. Y EASTWARD. AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 4	- 6	- 7	- 7	- 6	- 6	- 6	- 3	+ 1	+ 2	0	- 1	0	+ 1	+ 2	+ 2	+ 3	+ 5	+ 6	+ 6	+ 5	+ 4	+ 5	+ 2	3.9
FEB	I	- 6	-13	-15	-15	-13	-14	-11	- 6	- 1	+ 1	+ 2	+ 4	+ 5	+ 6	+ 6	+ 6	+ 6	+ 6	+ 6	+ 8	+ 9	+ 9	+10	+ 8	7.8
MAR	II	+ 2	0	- 3	- 8	-14	-15	-10	- 5	- 3	- 2	- 2	0	+ 1	0	+ 3	+ 3	+ 4	+ 4	+ 6	+ 7	+ 8	+ 8	+ 6	+ 6	5.0
APR	II	0	- 3	- 6	-11	-11	-12	-13	-12	- 6	0	+ 2	+ 2	+ 3	+ 4	+ 4	+ 3	+ 4	+ 5	+ 5	+ 6	+ 7	+ 8	+ 9	+11	6.3
MAY	III	+10	+ 7	0	- 6	-10	-11	-12	- 8	- 4	+ 2	+ 2	+ 2	0	0	- 2	0	+ 1	+ 1	0	+ 1	+ 3	+ 5	+ 8	+11	4.3
JUN	III	+10	+12	+ 9	+ 4	- 2	- 3	- 9	-10	- 6	- 2	- 1	- 1	- 2	- 2	- 3	- 4	- 4	- 3	- 2	0	+ 2	+ 3	+ 6	+10	4.6
JUL	III	+ 9	+10	+ 8	+ 4	- 1	- 2	- 5	- 7	- 4	- 1	+ 1	0	- 5	- 7	- 6	- 5	- 3	- 3	- 2	- 1	+ 1	+ 3	+ 5	+ 7	4.2
AUG	III	+ 7	+ 7	+ 4	0	- 5	- 9	-15	-12	- 8	- 3	0	0	+ 1	0	0	0	+ 1	+ 1	+ 1	+ 3	+ 4	+ 6	+ 7	+ 9	4.3
SEP	II	+ 6	+ 3	- 2	- 6	- 9	- 6	- 3	- 2	+ 1	+ 2	+ 2	- 1	- 4	- 5	- 6	- 4	- 2	+ 2	+ 4	+ 4	+ 4	+ 6	+ 7	+ 8	4.1
OCT	II	- 1	- 1	- 1	- 6	-10	-12	-10	- 7	- 6	- 4	- 2	- 2	- 1	0	+ 2	+ 3	+ 3	+ 6	+ 5	+ 5	+ 8	+ 9	+10	+11	5.2
NOV	I	+ 3	+ 4	+ 2	- 1	- 4	- 8	- 8	- 6	- 6	- 5	- 4	- 4	- 2	- 2	- 1	+ 1	+ 2	+ 3	+ 4	+ 2	+ 4	+ 7	+10	+11	4.4
DEC	I	- 4	- 2	- 1	- 2	- 1	- 1	- 4	- 5	- 5	- 3	- 1	0	+ 1	+ 1	+ 2	+ 2	+ 1	+ 2	+ 2	+ 2	+ 3	+ 6	+ 6	+ 3	2.4
MEANS	I	- 2.6	- 4.1	- 5.4	- 6.1	- 6.1	- 7.2	- 7.3	- 5.0	- 2.7	- 1.1	- 0.8	- 0.4	+ 0.8	+ 1.4	+ 2.2	+ 2.8	+ 3.2	+ 3.8	+ 4.4	+ 4.4	+ 5.3	+ 6.6	+ 8.0	+ 6.2	4.1
	II	+ 1.7	- 0.3	- 3.1	- 7.5	-10.8	-11.1	- 8.9	- 6.6	- 3.5	- 1.0	+ 0.2	- 0.2	- 0.3	0.0	+ 0.6	+ 1.5	+ 2.4	+ 4.3	+ 5.1	+ 5.7	+ 6.9	+ 7.7	+ 8.3	+ 9.2	4.5
	III	+ 9.2	+ 9.0	+ 5.2	+ 0.3	- 4.3	- 6.6	-10.2	- 9.2	- 5.4	- 0.9	+ 0.4	- 0.1	- 1.5	- 2.4	- 2.7	- 2.1	- 1.3	- 1.0	- 0.7	+ 0.9	+ 2.5	+ 4.5	+ 6.4	+ 9.2	4.0
	YEAR	+ 2.7	+ 1.6	- 1.1	- 4.4	- 7.1	- 8.3	- 8.8	- 6.9	- 3.8	- 1.0	0.0	- 0.2	- 0.4	- 0.3	0.0	+ 0.8	+ 1.4	+ 2.4	+ 2.9	+ 3.7	+ 4.9	+ 6.2	+ 7.6	+ 8.2	3.5

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 4	- 1	- 8	- 9	- 4	- 8	-12	-13	-12	-14	-14	- 8	- 1	+ 2	+ 8	+11	+ 5	+ 7	+10	+14	+12	+12	+12	+ 9	8.8
FEB	I	+12	- 2	- 8	- 8	-10	- 5	- 3	+ 1	- 4	+ 8	+ 3	+ 4	+ 2	+ 4	+ 5	- 1	+ 1	+ 2	+ 4	- 3	- 1	0	+ 2	- 2	4.0
MAR	II	- 5	-12	-25	-17	-12	-16	-14	-11	- 2	+13	- 6	+11	+10	+11	+13	+19	+13	+16	+14	+13	+ 5	0	- 8	- 8	11.4
APR	II	+27	+18	+12	+ 3	0	- 6	-20	-29	-22	-19	-16	-22	-23	- 6	+ 2	+ 1	- 6	+11	+12	+12	+12	+18	+20	+23	14.2
MAY	III	+24	+21	+18	+13	+ 7	- 2	-15	-22	-14	-13	-11	-12	- 9	- 9	- 8	- 3	- 6	- 2	0	+ 4	+10	+ 8	+ 9	+12	10.5
JUN	III	+21	+17	+12	+ 8	- 2	- 9	-12	- 8	+ 1	+ 7	+ 9	+ 5	+ 3	- 7	-16	-10	- 3	- 5	- 7	- 6	- 5	+ 1	+ 2	+ 3	7.5
JUL	III	+28	+30	+27	+16	+ 5	- 2	-14	-11	-12	-15	-13	-17	-16	-19	- 8	- 9	- 8	- 2	+ 2	+ 6	+10	+14	+ 5	+ 2	12.1
AUG	III	+19	+14	+10	+ 1	- 5	-12	-18	-21	-14	- 7	- 6	- 2	- 3	- 6	0	+ 1	+ 4	- 1	+10	+10	+ 8	+ 6	+ 7	+ 4	7.9
SEP	II	+18	+12	+ 7	- 2	-13	-16	-18	-14	-16	-18	-13	- 5	+ 1	+ 3	- 3	+ 5	+13	+ 6	+11	+ 9	+12	+ 8	+ 7	+ 6	9.8
OCT	II	+17	+13	+ 7	+ 3	0	+ 6	+ 5	0	+ 3	0	+ 4	+ 3	- 9	-17	-12	+ 7	- 1	- 7	-11	- 8	0	+ 5	- 3	- 5	6.2
NOV	I	+ 3	+ 5	+ 4	- 4	- 7	- 4	- 5	-11	-13	-12	- 9	- 9	+ 3	+ 4	0	+ 9	+ 7	+10	+12	+ 9	+ 7	+ 1	- 1	0	6.2
DEC	I	+ 9	+ 8	+ 4	+ 2	+ 4	+ 8	+ 6	+ 4	+ 2	+ 3	- 6	- 4	- 1	-10	- 1	- 1	0	+ 7	+ 5	- 4	- 8	- 9	- 6	-11	5.1
MEANS	I	+ 7.0	+ 2.5	- 2.4	- 4.9	- 4.2	- 2.2	- 3.3	- 4.9	- 6.9	- 3.7	- 6.4	- 4.1	+ 0.8	- 0.1	+ 2.9	+ 4.4	+ 3.2	+ 6.5	+ 7.7	+ 3.8	+ 2.4	+ 0.8	+ 1.8	- 0.8	3.7
	II	+14.4	+ 7.8	+ 0.2	- 3.2	- 6.4	- 8.2	-11.6	-13.4	- 9.2	- 5.9	- 7.8	- 3.1	- 5.2	- 2.5	0.0	+ 8.0	+ 4.6	+ 6.3	+ 6.6	+ 6.2	+ 7.2	+ 7.4	+ 4.0	+ 3.9	6.4
	III	+23.1	+20.4	+16.7	+ 9.6	+ 1.2	- 6.2	-14.8	-15.6	- 9.5	- 6.9	- 5.1	- 6.3	- 6.3	-10.4	- 7.9	- 5.4	- 3.2	- 2.6	+ 1.3	+ 3.7	+ 6.0	+ 7.2	+ 5.7	+ 5.4	8.4
	YEAR	+14.8	+10.2	+ 4.8	+ 0.5	- 3.1	- 5.5	- 9.9	-11.3	- 8.5	- 5.5	- 6.4	- 4.5	- 3.6	- 4.3	- 1.6	+ 2.4	+ 1.5	+ 3.4	+ 5.2	+ 4.6	+ 5.2	+ 5.2	+ 3.8	+ 2.8	5.4

TABLE 399

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H, Z TOWARD NADIR. X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	+ 1	+ 2	+ 3	+ 4	+ 3	+ 4	+ 2	0	- 1	- 3	- 3	- 2	- 1	- 2	- 1	0	- 2	- 2	- 2	- 1	- 1	0	+ 1	1.8
FEB	I	+ 4	+ 5	+ 6	+ 5	+ 5	+ 6	+ 6	+ 3	- 2	- 9	-13	-12	-10	- 7	- 5	- 1	- 1	+ 2	+ 2	+ 3	+ 2	+ 3	+ 4	+ 3	4.9
MAR	II	+ 5	+ 7	+ 8	+ 9	+ 8	+ 8	+ 6	+ 6	0	- 5	- 8	- 8	-10	-11	- 8	- 6	- 4	- 2	- 7	- 1	+ 1	+ 2	+ 4	+ 6	5.8
APR	II	+ 1	+ 4	+ 5	+ 6	+ 6	+ 8	+ 9	+10	+ 5	- 1	- 3	- 4	- 5	- 5	- 8	- 9	- 5	- 2	0	- 3	- 6	- 3	0	- 1	4.5
MAY	III	- 1	0	+ 2	+ 4	+ 6	+ 7	+ 8	+12	+14	+11	+ 4	- 1	- 5	- 9	-13	-14	- 8	- 3	- 2	- 3	- 4	- 3	- 2	0	5.6
JUN	III	- 4	- 2	- 2	0	+ 1	+ 4	+ 5	+ 9	+12	+12	+ 9	+ 4	- 2	- 7	- 9	- 8	- 4	0	0	0	- 2	- 4	- 7	- 6	4.7
JUL	III	- 3	+ 1	+ 1	+ 4	+ 5	+ 7	+ 7	+ 9	+11	+12	+ 9	+ 5	- 1	- 7	-10	- 9	- 8	- 6	- 5	- 5	- 5	- 5	- 4	- 3	5.9
AUG	III	+ 1	+ 2	+ 5	+ 5	+ 6	+ 6	+ 9	+10	+12	+10	+ 6	0	- 6	-12	-15	-14	- 8	- 2	- 1	- 1	- 2	- 4	- 2	- 4	5.9
SEP	II	+ 4	+ 5	+ 7	+ 6	+ 7	+ 7	+ 7	+ 8	+ 8	+ 4	0	- 5	-12	-12	-12	- 8	- 6	- 6	- 3	- 1	0	0	- 2	+ 2	5.5
OCT	II	+ 5	+ 5	+ 3	+ 4	+ 5	+ 6	+ 5	+ 5	+ 4	0	- 2	- 5	- 9	-10	- 7	- 5	- 3	- 2	- 1	- 1	0	- 1	+ 1	+ 6	4.0
NOV	I	+ 2	+ 4	+ 6	+ 4	+ 4	+ 3	+ 4	+ 3	- 1	0	0	- 1	- 2	- 2	- 3	- 3	- 4	- 5	- 4	- 5	- 2	- 1	- 1	+ 3	2.8
DEC	I	- 1	+ 1	0	- 1	- 1	0	0	- 2	- 2	+ 1	+ 3	+ 4	+ 6	+ 6	+ 3	0	- 2	- 2	- 3	- 1	- 1	- 4	- 2	- 1	2.0
MEANS	I	+ 1.6	+ 2.7	+ 3.7	+ 3.0	+ 3.0	+ 3.0	+ 3.5	+ 1.4	- 1.5	- 2.2	- 3.1	- 2.8	- 2.1	- 1.1	- 1.7	- 1.4	- 1.8	- 1.6	- 1.8	- 1.5	- 0.6	- 0.7	+ 0.4	+ 1.5	2.0
	II	+ 3.9	+ 5.4	+ 5.8	+ 6.4	+ 6.6	+ 7.0	+ 6.8	+ 7.3	+ 4.4	- 0.4	- 3.2	- 5.4	- 8.9	- 9.6	- 8.8	- 7.2	- 4.6	- 2.9	- 3.0	- 1.4	- 1.2	- 0.6	+ 0.5	+ 3.2	4.8
	III	- 1.5	+ 0.2	+ 1.7	+ 3.0	+ 4.7	+ 5.7	+ 7.1	+ 9.9	+12.2	+10.9	+ 7.0	+ 2.1	- 3.6	- 8.8	-11.6	-11.2	- 7.1	- 2.8	- 1.9	- 2.4	- 3.3	- 3.8	- 3.9	- 3.0	5.4
	YEAR	+ 1.4	+ 2.7	+ 3.7	+ 4.1	+ 4.7	+ 5.2	+ 5.8	+ 6.2	+ 5.0	+ 2.8	+ 0.2	- 2.0	- 4.8	- 6.5	- 7.4	- 6.6	- 4.5	- 2.4	- 2.2	- 1.8	- 1.7	- 1.7	- 1.0	+ 0.6	3.5

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME.

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	0	0	0	0	0	0	+ 1	- 1	- 2	- 2	- 3	- 5	- 5	- 5	- 4	0	+ 3	+ 4	+ 2	+ 2	+ 2	+ 4	+ 4	+ 4	2.3
FEB	I	+ 1	+ 1	+ 1	+ 1	+ 2	+ 3	+ 3	0	- 6	-12	-14	-12	- 9	- 7	- 3	0	+ 5	+ 6	+ 6	+ 7	+ 7	+ 7	+ 6	+ 6	5.3
MAR	II	- 2	- 1	+ 2	+ 2	+ 3	+ 4	+ 4	+ 4	+ 2	0	- 1	- 3	- 7	-10	- 6	- 3	- 2	- 2	0	+ 1	+ 3	+ 3	+ 5	+ 4	3.1
APR	II	- 1	+ 1	0	+ 1	+ 2	+ 2	+ 3	+ 4	+ 2	- 2	- 5	- 9	-10	-10	- 9	- 7	- 2	+ 3	+ 6	+ 6	+ 5	+ 7	+ 6	+ 6	4.6
MAY	III	0	0	+ 1	0	+ 4	+ 5	+ 5	+ 9	+11	+ 8	+ 1	- 6	-10	-11	-11	- 8	- 3	+ 2	+ 2	+ 2	0	0	0	0	4.1
JUN	III	- 6	- 4	- 4	- 1	0	+ 2	+ 3	+ 7	+11	+11	+ 8	+ 3	- 3	- 6	- 8	- 7	- 3	+ 1	+ 2	+ 2	0	- 1	- 2	- 2	4.1
JUL	III	- 6	- 3	- 3	- 3	- 1	0	+ 1	+ 5	+10	+11	+ 9	+ 6	+ 2	0	- 4	- 8	- 5	- 1	0	0	- 2	- 2	- 3	- 3	3.7
AUG	III	- 2	- 1	0	+ 1	+ 2	+ 4	+ 6	+ 8	+ 9	+ 7	+ 4	- 1	- 6	-10	-12	- 9	- 5	0	+ 3	+ 2	+ 2	- 1	0	0	3.9
SEP	II	+ 1	+ 4	+ 5	+ 5	+ 5	+ 6	+ 6	+ 8	+ 6	+ 2	- 3	- 7	-10	- 7	- 5	- 5	- 2	- 1	0	0	- 2	- 3	- 2	0	3.9
OCT	II	- 2	- 1	+ 1	+ 1	+ 1	+ 2	+ 4	+ 4	+ 1	0	- 1	- 4	- 7	- 8	- 5	- 2	- 1	+ 1	+ 2	+ 2	+ 2	+ 4	+ 4	+ 5	2.6
NOV	I	+ 2	+ 1	+ 5	+ 3	+ 5	+ 5	+ 4	+ 2	0	0	+ 1	0	- 2	- 6	- 6	- 2	- 2	- 3	- 3	- 2	0	- 2	- 2	+ 1	2.5
DEC	I	0	- 1	- 1	- 2	- 4	- 3	- 2	- 2	- 2	+ 2	+ 3	+ 4	+ 5	+ 5	+ 1	- 1	- 1	- 1	- 1	- 1	0	- 1	0	+ 1	1.9
MEANS	I	+ 0.8	+ 0.4	+ 1.3	+ 0.4	+ 0.6	+ 1.4	+ 1.6	- 0.1	- 2.6	- 2.9	- 3.4	- 3.1	- 2.7	- 3.0	- 3.0	- 1.0	+ 1.2	+ 1.4	+ 1.2	+ 1.4	+ 2.2	+ 2.2	+ 2.1	+ 3.0	1.8
	II	- 1.2	+ 0.8	+ 2.1	+ 2.2	+ 2.8	+ 3.2	+ 4.0	+ 4.9	+ 2.7	+ 0.1	- 2.6	- 5.6	- 8.5	- 8.8	- 6.4	- 4.2	- 2.0	+ 0.5	+ 1.8	+ 2.2	+ 2.1	+ 2.8	+ 3.1	+ 3.7	3.3
	III	- 3.6	- 2.0	- 1.8	- 0.7	+ 1.1	+ 2.7	+ 4.0	+ 7.3	+ 9.9	+ 9.2	+ 5.3	+ 0.3	- 4.3	- 6.6	- 8.9	- 8.0	- 4.1	+ 0.3	+ 1.8	+ 1.2	+ 0.1	- 1.1	- 1.2	- 0.9	3.6
	YEAR	- 1.4	- 0.2	+ 0.5	+ 0.6	+ 1.5	+ 2.5	+ 3.2	+ 4.0	+ 3.3	+ 2.1	- 0.2	- 2.8	- 5.1	- 6.1	- 6.1	- 4.4	- 1.6	+ 0.7	+ 1.6	+ 1.6	+ 1.5	+ 1.3	+ 1.3	+ 1.9	2.3

TABLE 399--CONCLUDED

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED - A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 6	- 8	- 8	- 7	- 6	- 5	- 5	- 1	+ 2	+ 3	+ 1	- 1	0	+ 2	+ 3	+ 3	+ 3	+ 5	+ 6	+ 6	+ 5	+ 4	+ 4	+ 1	3.9
FEB	I	- 8	-15	-17	-15	-12	-12	- 8	- 4	0	+ 2	+ 2	+ 5	+ 5	+ 6	+ 6	+ 6	+ 6	+ 6	+ 6	+ 8	+ 9	+ 9	+ 9	+ 6	7.7
MAR	II	+ 1	- 2	- 5	- 9	-14	-14	- 8	- 4	- 2	- 1	- 1	0	+ 1	0	+ 3	+ 3	+ 4	+ 4	+ 6	+ 7	+ 8	+ 8	+ 6	+ 5	4.9
APR	II	- 1	- 4	- 8	-12	-12	-11	-12	-11	- 6	0	+ 2	+ 2	+ 3	+ 4	+ 4	+ 3	+ 4	+ 5	+ 5	+ 6	+ 7	+ 8	+ 9	+11	6.4
MAY	III	+ 9	+ 6	- 1	- 7	-10	-11	-11	- 6	- 3	+ 2	+ 2	+ 2	0	- 1	- 2	0	+ 1	+ 1	0	+ 1	+ 4	+ 6	+ 8	+11	4.3
JUN	III	+10	+11	+ 8	+ 3	- 2	- 3	- 9	-10	- 5	- 2	- 1	- 2	- 2	- 3	- 4	- 4	- 4	- 3	- 2	0	+ 2	+ 4	+ 6	+10	4.5
JUL	III	+ 9	+10	+ 7	+ 4	- 1	- 2	- 5	- 6	- 3	0	+ 1	0	- 5	- 7	- 6	- 5	- 3	- 3	- 2	- 1	+ 2	+ 4	+ 5	+ 8	4.1
AUG	III	+ 7	+ 6	+ 4	- 1	- 5	-10	-14	-12	- 8	- 3	0	0	+ 1	0	0	0	+ 1	+ 1	+ 1	+ 4	+ 4	+ 6	+ 8	+ 9	4.3
SEP	II	+ 4	+ 1	- 4	- 6	- 8	- 5	- 2	- 1	+ 2	+ 3	+ 2	- 1	- 4	- 5	- 6	- 4	- 2	+ 2	+ 4	+ 4	+ 4	+ 6	+ 7	+ 7	4.0
OCT	II	- 2	- 2	- 2	- 7	-10	-11	- 8	- 6	- 5	- 3	- 1	- 2	- 1	0	+ 2	+ 3	+ 3	+ 6	+ 5	+ 5	+ 8	+ 9	+10	+10	5.1
NOV	I	+ 2	+ 3	+ 1	- 1	- 4	- 7	- 7	- 5	- 5	- 4	- 4	- 4	- 2	- 2	- 1	+ 1	+ 2	+ 3	+ 4	+ 2	+ 4	+ 6	+10	+10	3.9
DEC	I	- 5	- 3	- 2	- 2	- 1	0	- 3	- 4	- 4	- 2	0	0	+ 1	+ 1	+ 2	+ 2	+ 1	+ 1	+ 2	+ 2	+ 2	+ 5	+ 5	+ 1	2.2
MEANS	I	- 4.4	- 5.8	- 6.4	- 6.4	- 5.6	- 6.1	- 5.9	- 3.6	- 1.6	- 0.3	- 0.2	0.0	+ 1.1	+ 1.8	+ 2.4	+ 2.9	+ 3.3	+ 3.8	+ 4.4	+ 4.2	+ 5.0	+ 6.0	+ 6.9	+ 4.7	3.9
	II	+ 0.4	- 1.9	- 4.6	- 8.4	-10.8	-10.4	- 7.7	- 5.3	- 2.4	- 0.3	+ 0.6	+ 0.1	- 0.1	0.0	+ 0.7	+ 1.5	+ 2.4	+ 4.3	+ 5.2	+ 5.8	+ 6.9	+ 7.7	+ 8.0	+ 8.6	4.3
	III	+ 9.0	+ 8.4	+ 4.3	- 0.4	- 4.6	- 6.5	- 9.6	- 8.5	- 4.8	- 0.6	+ 0.5	0.0	- 1.6	- 2.5	- 2.9	- 2.2	- 1.4	- 1.0	- 0.6	+ 1.0	+ 2.7	+ 4.7	+ 6.6	+ 9.3	3.9
	YEAR	+ 1.7	+ 0.2	- 2.2	- 5.1	- 7.0	- 7.7	- 7.7	- 5.8	- 3.0	- 0.4	+ 0.3	0.0	- 0.2	- 0.2	+ 0.1	+ 0.7	+ 1.4	+ 2.4	+ 3.0	+ 3.7	+ 4.9	+ 6.1	+ 7.2	+ 7.5	3.3

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	- 3	-10	- 9	- 2	- 6	-10	-11	-11	-14	-13	- 7	- 1	+ 2	+ 8	+11	+ 4	+ 6	+10	+14	+11	+11	+11	+ 7	8.1
FEB	I	+10	- 5	-10	- 9	- 9	- 3	- 1	+ 3	- 2	+10	+ 4	+ 4	+ 3	+ 5	+ 5	- 2	0	+ 2	+ 4	- 3	- 1	0	+ 1	- 4	4.1
MAR	II	- 7	-15	-27	-18	-12	-15	-12	-10	0	+15	- 5	+12	+10	+11	+14	+19	+12	+14	+14	+13	+ 6	0	- 8	- 9	11.6
APR	II	+27	+18	+11	+ 3	0	- 5	-18	-28	-20	-18	-16	-22	-23	- 7	0	- 1	- 7	+10	+12	+11	+13	+18	+20	+22	13.8
MAY	III	+24	+21	+17	+12	+ 8	- 2	-14	-21	-14	-12	-11	-12	- 9	-10	- 8	- 4	- 7	- 2	0	+ 4	+11	+ 8	+ 9	+12	10.5
JUN	III	+21	+17	+12	+ 8	- 3	- 8	-11	- 8	+ 2	+ 7	+ 9	+ 5	+ 3	- 8	-16	-11	- 3	- 6	- 7	- 6	- 4	+ 1	+ 2	+ 4	7.5
JUL	III	+29	+30	+26	+16	+ 5	- 2	-14	-10	-10	-15	-13	-17	-17	-20	- 9	-10	- 9	- 1	+ 2	+ 6	+11	+14	+ 5	+ 3	12.3
AUG	III	+19	+14	+ 9	0	- 6	-11	-18	-20	-13	- 7	- 6	- 2	- 4	- 7	- 1	0	+ 3	- 2	+10	+11	+ 9	+ 6	+ 8	+ 5	7.9
SEP	II	+18	+11	+ 6	- 2	-13	-15	-17	-13	-15	-18	-13	- 5	+ 1	+ 2	- 4	+ 4	+13	+ 6	+12	+ 9	+12	+ 8	+ 7	+ 6	9.6
OCT	II	+16	+12	+ 6	+ 3	+ 1	+ 7	+ 7	+ 3	+ 4	+ 2	+ 4	+ 3	- 9	-18	-13	+ 7	- 3	- 8	-12	- 9	0	+ 5	- 3	- 6	6.6
NOV	I	+ 2	+ 4	+ 3	- 4	- 6	- 2	- 3	- 9	-11	-11	- 8	- 9	+ 3	+ 4	- 1	+ 8	+ 7	+10	+12	+ 9	+ 7	0	- 2	- 1	5.6
DEC	I	+ 7	+ 6	+ 3	+ 2	+ 5	+ 9	+ 8	+ 5	+ 3	+ 4	- 5	- 3	- 1	-11	- 2	- 1	- 1	+ 7	+ 5	- 4	- 8	- 9	- 7	-12	5.4
MEANS	I	+ 4.9	+ 0.5	- 3.6	- 4.9	- 3.1	- 0.6	- 1.4	- 3.0	- 5.4	- 2.6	- 5.8	- 3.6	+ 0.9	- 0.1	+ 2.6	+ 4.0	+ 2.7	+ 6.2	+ 7.4	+ 3.6	+ 2.2	+ 0.4	+ 0.8	- 2.4	3.0
	II	+13.4	+ 6.4	- 1.0	- 3.8	- 6.2	- 7.1	-10.0	-11.8	- 7.7	- 4.8	- 7.5	- 3.1	- 5.2	- 2.9	- 0.8	+ 7.3	+ 3.8	+ 5.8	+ 6.3	+ 6.2	+ 7.7	+ 7.6	+ 4.1	+ 3.5	6.0
	III	+23.2	+20.2	+16.0	+ 9.1	+ 1.1	- 5.8	-14.1	-14.7	- 8.8	- 6.7	- 5.1	- 6.4	- 6.8	-11.0	- 8.7	- 6.1	- 3.9	- 2.8	+ 1.3	+ 3.8	+ 6.5	+ 7.5	+ 6.3	+ 5.9	8.4
	YEAR	+13.8	+ 9.0	+ 3.8	+ 0.1	- 2.7	- 4.5	- 8.5	- 9.8	- 7.3	- 4.7	- 6.1	- 4.4	- 3.7	- 4.7	- 2.3	+ 1.7	+ 0.9	+ 3.1	+ 5.0	+ 4.5	+ 5.5	+ 5.2	+ 3.7	+ 2.4	4.9

TABLE 400

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST. I DOWN H. Z TOWARD NADIR. X NORTHWARD. Y EASTWARD. AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 3	- 4	- 2	- 3	- 6	-12	-20	-28	-32	-30	-19	- 2	+11	+21	+27	+26	+22	+17	+13	+10	+ 9	+ 6	+ 2	- 2	13.6
FEB	I	- 2	- 1	- 3	- 4	- 4	- 8	-18	-31	-43	-43	-29	- 8	+13	+30	+37	+36	+28	+18	+11	+ 9	+ 8	+ 5	+ 2	- 2	16.3
MAR	II	- 6	- 5	- 4	- 1	+ 3	- 2	- 6	-14	-27	-33	-32	-20	- 1	+16	+29	+31	+28	+22	+12	+ 8	+ 5	+ 1	- 3	- 2	13.0
APR	II	- 6	- 3	- 2	- 2	0	0	- 2	- 8	-16	-23	-20	-11	+ 3	+15	+22	+23	+21	+14	+ 7	+ 5	+ 1	- 3	- 8	- 8	9.4
MAY	III	- 5	- 2	+ 2	+ 1	+ 4	+ 1	+ 2	- 2	-10	-16	-17	-10	0	+ 9	+16	+19	+15	+ 8	+ 4	+ 1	- 3	- 4	- 6	- 6	6.7
JUN	III	- 5	- 2	- 2	+ 2	+ 4	+ 4	+ 4	+ 4	+ 1	- 6	- 8	- 8	- 4	+ 3	+ 9	+14	+11	+ 5	+ 1	- 2	- 5	- 6	- 7	- 7	5.1
JUL	III	- 5	- 1	+ 2	+ 4	+ 5	+ 4	+ 5	+ 6	+ 1	- 6	-12	-10	- 1	+ 6	+10	+14	+11	+ 4	0	- 4	- 6	-10	-10	- 7	5.9
AUG	III	- 3	- 2	+ 2	+ 2	+ 5	+ 5	+ 8	+ 5	- 1	-11	-16	-16	- 9	+ 2	+10	+14	+12	+ 6	+ 2	- 1	- 2	- 4	- 6	- 5	6.2
SEP	II	- 5	0	+ 3	+ 4	+ 5	+ 4	+ 4	- 5	-16	-22	-20	-10	+ 2	+13	+20	+20	+16	+ 9	+ 2	- 1	- 3	- 6	- 7	- 4	8.4
OCT	II	- 5	- 3	- 1	0	+ 2	0	- 4	-11	-24	-29	-27	-15	+ 5	+20	+29	+30	+24	+16	+ 7	+ 4	- 2	- 6	- 5	- 4	11.4
NOV	I	- 3	- 2	0	0	- 1	- 7	-15	-23	-29	-28	-22	- 7	+ 9	+22	+29	+29	+23	+16	+10	+ 6	+ 1	- 2	- 4	- 4	12.1
DEC	I	- 2	- 1	- 2	- 2	- 5	-12	-22	-29	-29	-27	-16	+ 1	+14	+20	+25	+25	+21	+15	+11	+ 8	+ 5	+ 3	0	0	12.2
MEANS	I	- 2.4	- 2.2	- 1.9	- 2.3	- 3.9	- 9.5	-18.8	-27.7	-33.2	-32.0	-21.2	- 4.3	+11.6	+23.2	+29.5	+28.9	+23.4	+16.7	+11.2	+ 8.2	+ 5.6	+ 3.2	- 0.2	- 2.1	13.5
	II	- 5.4	- 2.8	- 0.9	+ 0.2	+ 2.5	+ 0.6	- 2.0	- 9.6	-20.8	-26.7	-24.6	-14.2	+ 2.4	+16.2	+25.1	+26.0	+22.0	+15.3	+ 7.1	+ 3.8	+ 0.2	- 3.5	- 5.8	- 5.0	10.1
	III	- 4.7	- 1.6	+ 0.9	+ 2.5	+ 4.3	+ 3.6	+ 4.6	+ 3.6	- 2.2	- 9.6	-13.4	-10.9	- 3.4	+ 4.7	+11.2	+15.3	+12.4	+ 5.6	+ 1.7	- 1.4	- 4.0	- 6.0	- 7.0	- 6.4	5.9
	YEAR	- 4.1	- 2.2	- 0.6	+ 0.1	+ 1.0	- 1.8	- 5.4	-11.3	-18.8	-22.7	-19.7	- 9.8	+ 3.5	+14.7	+22.0	+23.4	+19.3	+12.5	+ 6.7	+ 3.5	+ 0.6	- 2.1	- 4.3	- 4.5	8.9

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γγ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γγ	γ	γ	γ	γ	γ	
JAN	I	- 1	- 3	- 1	- 2	- 2	- 9	-19	-26	-30	-27	-17	- 6	+ 4	+16	+23	+23	+18	+14	+11	+ 9	+ 8	+ 7	+ 5	+ 3	11.8
FEB	I	- 2	- 1	- 2	- 4	- 5	-11	-20	-30	-41	-41	-25	- 4	+14	+29	+36	+32	+24	+15	+ 9	+ 9	+ 8	+ 5	+ 4	+ 1	15.4
MAR	II	- 3	- 2	- 2	- 1	0	- 3	- 7	-15	-24	-30	-29	-19	- 2	+14	+24	+28	+24	+17	+11	+ 9	+ 7	+ 2	+ 1	+ 2	11.6
APR	II	0	0	0	0	+ 1	+ 1	- 1	- 8	-19	-25	-23	-13	+ 1	+13	+18	+19	+16	+10	+ 6	+ 4	+ 2	0	0	0	7.6
MAY	III	- 2	0	0	+ 2	+ 1	0	- 1	- 3	-10	-19	-19	-11	- 1	+ 8	+16	+19	+15	+ 7	+ 5	+ 2	- 1	- 2	- 3	- 3	6.3
JUN	III	- 2	0	+ 1	+ 3	+ 3	+ 3	+ 4	+ 3	0	- 7	-12	-10	- 5	+ 2	+ 9	+13	+10	+ 4	+ 1	- 2	- 4	- 4	- 4	- 4	4.6
JUL	III	- 3	- 1	+ 1	+ 4	+ 4	+ 3	+ 2	+ 4	- 1	- 8	-14	-11	- 3	+ 5	+12	+11	+ 9	+ 3	+ 1	- 2	- 3	- 5	- 5	- 4	4.8
AUG	III	- 1	+ 1	+ 2	+ 2	+ 4	+ 5	+ 4	+ 2	- 6	-14	-18	-16	- 8	+ 1	+ 9	+14	+12	+ 8	+ 3	+ 1	0	- 1	- 2	- 2	5.6
SEP	II	0	+ 2	+ 4	+ 2	+ 3	+ 2	0	- 8	-23	-29	-26	-13	+ 2	+14	+20	+20	+15	+ 9	+ 4	+ 3	+ 1	0	- 1	- 1	8.4
OCT	II	- 4	- 2	- 1	- 1	0	- 2	- 9	-17	-26	-30	-28	-16	+ 2	+18	+26	+28	+21	+14	+ 9	+ 7	+ 5	+ 2	+ 2	0	11.3
NOV	I	0	- 1	- 1	0	0	- 8	-16	-24	-27	-28	-20	- 7	+ 8	+20	+27	+26	+20	+14	+ 9	+ 5	+ 3	+ 2	0	- 2	11.3
DEC	I	+ 1	- 1	- 2	- 3	- 6	-12	-20	-25	-24	-23	-14	- 1	+10	+14	+19	+19	+16	+13	+10	+ 9	+ 8	+ 7	+ 4	+ 2	11.0
MEANS	I	- 0.4	- 1.5	- 1.4	- 2.2	- 3.4	- 9.8	-19.0	-26.2	-30.6	-29.6	-19.2	- 4.6	+ 8.9	+19.8	+26.3	+25.2	+19.8	+13.9	+ 9.8	+ 8.1	+ 6.9	+ 5.4	+ 3.1	+ 0.9	12.3
	II	- 1.7	- 0.4	0.0	+ 0.1	+ 0.8	- 0.6	- 4.3	-12.0	-23.2	-28.5	-26.5	-15.4	+ 0.9	+14.6	+22.4	+23.5	+19.0	+12.5	+ 7.6	+ 5.8	+ 3.7	+ 1.1	+ 0.5	+ 0.2	9.4
	III	- 1.9	- 0.1	+ 1.1	+ 2.8	+ 2.9	+ 2.8	+ 2.2	+ 1.4	- 4.3	-11.9	-15.6	-12.2	- 4.4	+ 3.9	+11.2	+14.2	+11.4	+ 5.4	+ 2.4	- 0.3	- 1.8	- 3.1	- 3.4	- 2.9	5.2
	YEAR	- 1.3	- 0.7	- 0.1	+ 0.2	+ 0.1	- 2.6	- 7.0	-12.3	-19.4	-23.3	-20.4	-10.7	+ 1.8	+12.8	+20.0	+21.0	+16.7	+10.6	+ 6.6	+ 4.5	+ 2.9	+ 1.2	+ 0.1	- 0.6	8.2

TABLE 400--CONCLUDED

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-31	-27	-18	- 8	+ 2	+16	+22	+24	+19	+13	+11	+10	+ 9	+ 8	+ 5	+ 4	+ 3	0	- 1	- 4	- 6	-10	-17	-23	12.1
FEB	I	-43	-47	-31	- 7	+14	+31	+39	+36	+26	+16	+10	+ 8	+ 8	+ 6	+ 4	+ 1	- 1	0	- 1	- 2	- 6	-10	-18	-31	16.5
MAR	II	-25	-31	-31	-20	- 3	+14	+25	+28	+24	+17	+10	+ 7	+ 5	+ 3	+ 1	0	- 2	- 2	0	0	0	- 2	- 6	-14	11.3
APR	II	-17	-26	-25	-16	- 3	+ 9	+15	+18	+15	+ 9	+ 6	+ 4	+ 3	+ 1	+ 1	0	+ 1	+ 1	+ 2	+ 3	+ 2	+ 2	0	- 4	7.6
MAY	III	-11	-19	-19	-11	- 1	+ 7	+14	+18	+14	+ 5	+ 4	+ 2	- 1	- 2	- 3	- 4	- 3	- 1	+ 2	+ 3	+ 3	+ 2	+ 2	- 2	6.4
JUN	III	- 1	- 9	-15	-12	- 5	+ 2	+ 9	+13	+11	+ 5	+ 2	- 2	- 4	- 5	- 4	- 4	- 2	+ 2	+ 3	+ 3	+ 4	+ 4	+ 4	+ 4	5.4
JUL	III	0	- 8	-14	-14	- 7	+ 2	+11	+12	+ 9	+ 3	0	0	0	- 3	- 4	- 3	- 2	+ 1	+ 2	+ 3	+ 5	+ 3	+ 2	+ 4	4.8
AUG	III	- 6	-13	-16	-15	- 8	- 1	+ 6	+11	+10	+ 7	+ 3	+ 1	0	0	- 1	- 1	0	0	+ 2	+ 3	+ 3	+ 4	+ 5	+ 2	5.0
SEP	II	-28	-32	-28	-14	+ 4	+17	+24	+22	+17	+10	+ 7	+ 6	+ 2	+ 1	+ 1	+ 1	0	+ 1	+ 3	+ 2	+ 2	+ 1	- 4	-14	10.1
OCT	II	-27	-30	-28	-16	+ 3	+18	+27	+27	+20	+14	+ 9	+ 6	+ 3	+ 2	+ 2	- 1	0	0	0	0	- 1	- 4	- 8	-15	10.9
NOV	I	-28	-28	-21	- 7	+ 8	+20	+25	+25	+20	+15	+10	+ 6	+ 3	+ 3	+ 1	- 3	0	+ 1	0	0	- 1	- 7	-16	-25	11.4
DEC	I	-23	-21	-11	+ 1	+12	+16	+20	+20	+17	+14	+10	+ 8	+ 8	+ 7	+ 4	+ 2	+ 2	- 2	- 4	- 5	- 8	-14	-24	-29	11.8
MEANS	I	-31.2	-30.7	-20.2	- 5.3	+ 8.9	+20.8	+26.6	+26.2	+20.5	+14.6	+10.4	+ 8.0	+ 7.1	+ 5.8	+ 3.3	+ 1.1	+ 0.9	- 0.3	- 1.6	- 2.9	- 5.4	-10.3	-18.8	-27.2	12.8
	II	-24.2	-29.8	-27.9	-16.8	+ 0.2	+14.4	+22.9	+23.6	+19.1	+12.6	+ 8.0	+ 5.8	+ 3.2	+ 1.6	+ 1.2	+ 0.2	- 0.1	+ 0.1	+ 1.0	+ 1.3	+ 0.6	- 0.8	- 4.6	-11.5	9.6
	III	- 4.6	-12.4	-15.9	-13.0	- 5.6	+ 2.8	+10.4	+13.4	+10.9	+ 4.9	+ 2.3	+ 0.4	- 1.2	- 2.7	- 3.2	- 2.8	- 1.8	+ 0.4	+ 2.3	+ 3.0	+ 3.6	+ 3.4	+ 3.4	+ 2.3	5.3
	YEAR	-20.0	-24.3	-21.3	-11.7	+ 1.2	+12.7	+20.0	+21.1	+16.8	+10.7	+ 6.9	+ 4.7	+ 3.1	+ 1.6	+ 0.4	- 0.5	- 0.4	+ 0.1	+ 0.6	+ 0.5	- 0.4	- 2.6	- 6.7	-12.1	8.4

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-44	-38	-19	+ 6	+26	+32	+35	+32	+27	+18	+12	+10	+12	+ 9	- 4	-10	- 8	- 8	- 6	- 7	-10	-14	-20	-30	18.2
FEB	I	-41	-45	-32	-11	+12	+33	+43	+43	+36	+27	+21	+ 8	+ 8	+ 6	0	-15	-16	- 8	- 9	-10	- 4	+ 2	-16	-32	19.8
MAR	II	-38	-45	-40	-26	- 3	+18	+32	+30	+27	+31	+20	+16	+12	+ 4	0	- 9	-12	-23	-11	+ 4	+21	+ 5	+ 2	-15	18.4
APR	II	-10	-15	- 9	- 4	+ 6	+20	+33	+34	+34	+21	+ 2	- 3	- 4	- 8	-26	-29	-14	- 7	- 6	- 6	+ 2	- 1	- 1	- 9	12.7
MAY	III	- 5	- 9	-15	-10	+ 1	+10	+19	+22	+14	+ 8	+ 3	- 3	- 8	-11	-14	-12	-15	- 6	+ 4	+ 5	+10	+ 2	+ 6	+ 4	9.0
JUN	III	+ 1	- 2	- 8	- 7	- 4	+ 7	+11	+12	+ 8	+ 2	0	- 3	- 7	- 6	-11	- 8	- 8	- 5	- 8	+ 3	+ 7	+ 6	+ 8	+11	6.4
JUL	III	+ 2	- 2	-11	- 9	+ 1	+ 9	+11	+23	+19	+ 5	- 2	- 4	-12	-20	-23	-16	-14	+ 1	+ 1	+ 2	+13	+10	+ 6	+10	9.4
AUG	III	0	- 8	-14	-14	- 8	+ 2	+11	+17	+12	+ 2	+ 3	0	- 6	- 7	-10	- 9	-11	- 8	+ 3	+ 3	+ 9	+ 1	+20	+12	8.0
SEP	II	- 6	-15	-18	-10	+ 2	+14	+21	+21	+16	+ 4	0	-10	- 8	-10	-18	-10	- 4	+ 1	+ 5	+ 4	+ 6	+ 4	+10	+ 1	9.1
OCT	II	-25	-27	-21	- 8	+14	+30	+40	+40	+34	+24	+ 1	- 1	- 3	-15	-15	- 8	-24	-13	-11	- 4	0	+ 1	- 1	- 8	15.3
NOV	I	-31	-26	-16	+ 2	+22	+31	+36	+36	+26	+19	+ 6	+ 4	- 5	- 9	- 8	- 9	- 8	- 6	- 7	- 3	- 4	-10	-18	-24	15.3
DEC	I	-36	-33	-20	+ 2	+19	+23	+30	+28	+24	+19	+13	+10	- 5	- 8	-10	- 4	- 6	0	0	+ 2	+ 2	- 6	-16	-27	14.3
MEANS	I	-37.8	-35.5	-21.8	- 0.1	+19.7	+29.7	+36.1	+34.7	+28.2	+20.7	+13.2	+ 8.2	+ 2.6	- 0.5	- 5.7	- 9.5	- 9.6	- 5.5	- 5.4	- 4.7	- 3.9	- 7.2	-17.6	-28.1	16.1
	II	-19.7	-25.6	-22.1	-11.8	+ 4.9	+20.3	+31.4	+31.2	+27.7	+20.0	+ 5.8	+ 0.3	- 0.8	- 7.1	-14.8	-13.9	-13.4	-10.4	- 5.8	- 0.5	+ 7.4	+ 2.4	+ 2.6	- 8.0	12.8
	III	- 0.3	- 5.4	-12.0	-10.0	- 2.4	+ 7.1	+13.0	+18.5	+13.2	+ 4.5	+ 0.8	- 2.2	- 8.4	-11.2	-14.4	-11.4	-11.7	- 4.6	- 0.1	+ 3.1	+ 9.8	+ 4.8	+10.3	+ 9.2	7.8
	YEAR	-19.3	-22.2	-18.6	- 7.3	+ 7.4	+19.0	+26.8	+28.1	+23.0	+15.0	+ 6.6	+ 2.1	- 2.2	- 6.2	-11.6	-11.6	-11.6	- 6.8	- 3.7	- 0.7	+ 4.5	0.0	- 1.6	- 9.0	11.0

TABLE 401

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-10	- 8	- 4	- 3	- 5	- 9	-13	-14	-10	0	+15	+27	+31	+30	+24	+13	+ 3	- 4	- 8	- 9	-10	-11	-12	-12	11.9
FEB	I	- 9	- 6	- 5	- 4	- 3	- 6	-14	-22	-24	-12	+11	+30	+41	+42	+34	+21	+ 4	- 7	-11	-10	-11	-12	-12	-13	15.2
MAR	II	-10	- 7	- 3	0	+ 3	- 1	- 5	-12	-16	-14	- 2	+17	+33	+40	+36	+23	+ 8	- 3	-14	-14	-15	-16	-15	-11	13.3
APR	II	- 6	- 1	0	+ 1	+ 2	+ 1	- 1	- 5	-10	- 9	0	+12	+23	+27	+21	+12	+ 4	- 4	- 9	-11	-14	-13	-12	-10	8.7
MAY	III	- 3	0	+ 2	+ 2	+ 4	+ 1	+ 1	0	- 6	- 7	- 3	+ 6	+13	+15	+14	+10	+ 1	- 4	- 7	- 8	- 9	- 9	- 8	- 6	5.8
JUN	III	- 2	+ 1	+ 1	+ 4	+ 4	+ 3	+ 3	+ 4	0	- 3	- 3	+ 1	+ 4	+ 7	+ 9	+ 8	+ 1	- 4	- 5	- 6	- 7	- 7	- 8	- 5	4.3
JUL	III	- 2	+ 2	+ 4	+ 5	+ 4	+ 4	+ 3	+ 4	- 1	- 5	- 5	+ 2	+10	+12	+12	+ 9	+ 1	- 7	- 9	-11	-10	-11	- 8	- 5	6.0
AUG	III	- 2	0	+ 4	+ 4	+ 5	+ 4	+ 6	+ 2	- 4	- 9	- 8	- 2	+ 6	+12	+13	+ 9	+ 2	- 3	- 5	- 7	- 8	- 9	- 8	- 6	5.8
SEP	II	- 2	+ 2	+ 5	+ 4	+ 4	+ 2	0	- 7	-12	-10	- 2	+11	+18	+20	+17	+10	+ 1	- 7	-12	-10	-10	- 9	- 9	- 5	7.9
OCT	II	- 5	- 1	0	+ 2	+ 3	+ 1	- 3	- 9	-13	-10	+ 1	+17	+28	+30	+26	+14	+ 1	- 7	-12	-13	-15	-15	-12	- 6	10.2
NOV	I	- 4	- 2	+ 2	+ 2	0	- 5	-10	-12	-10	- 2	+10	+20	+27	+27	+21	+10	- 1	- 7	-11	-12	-13	-12	-11	- 6	9.8
DEC	I	- 7	- 3	- 2	- 2	- 4	- 9	-14	-13	- 5	+ 5	+18	+26	+28	+24	+16	+ 7	- 1	- 6	- 8	- 9	-10	-12	-10	- 8	10.3
MEANS	I	- 7.5	- 4.7	- 2.4	- 2.0	- 3.1	- 7.1	-12.6	-15.0	-12.2	- 2.2	+13.4	+26.0	+31.6	+30.8	+23.7	+12.7	+ 1.1	- 6.2	- 9.6	-10.2	-11.0	-11.7	-11.3	-10.8	11.6
	II	- 5.8	- 1.8	+ 0.6	+ 1.8	+ 3.0	+ 0.9	- 2.4	- 8.2	-12.7	-10.5	- 0.4	+14.0	+25.5	+29.2	+24.9	+14.7	+ 3.6	- 5.0	-11.8	-12.0	-13.5	-13.5	-12.2	- 8.1	9.8
	III	- 2.1	+ 0.9	+ 2.7	+ 3.8	+ 4.3	+ 3.1	+ 3.5	+ 2.6	- 2.6	- 6.2	- 4.6	+ 1.7	+ 8.1	+11.8	+12.1	+ 8.8	+ 1.3	- 4.6	- 6.5	- 8.0	- 8.6	- 8.8	- 7.7	- 5.4	5.4
	YEAR	- 5.2	- 1.9	+ 0.3	+ 1.2	+ 1.4	- 1.0	- 3.8	- 6.9	- 9.2	- 6.3	+ 2.8	+13.9	+21.7	+23.9	+20.2	+12.0	+ 2.0	- 5.3	- 9.3	-10.1	-11.0	-11.3	-10.4	- 7.8	8.3

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 9	- 8	- 5	- 5	- 6	-10	-15	-15	-11	- 2	+10	+21	+25	+28	+25	+15	+ 4	- 3	- 6	- 6	- 6	- 7	- 7	- 7	6.5
FEB	I	-10	- 7	- 6	- 6	- 5	-10	-17	-24	-26	-12	+14	+32	+40	+40	+33	+19	+ 4	- 7	- 8	- 7	- 8	-10	-10	-10	15.2
MAR	II	- 9	- 7	- 6	- 4	- 4	- 6	- 9	-13	-16	-13	0	+16	+30	+36	+33	+23	+ 8	- 4	- 8	- 9	- 9	-11	-10	- 7	12.1
APR	II	- 4	- 2	- 2	- 2	- 1	- 2	- 4	- 9	-14	-12	- 3	+ 8	+22	+25	+19	+11	+ 4	- 2	- 5	- 6	- 7	- 6	- 5	- 5	7.4
MAY	III	- 2	- 1	- 1	+ 1	0	0	- 1	- 2	- 6	- 8	- 3	+ 5	+12	+14	+14	+11	+ 2	- 3	- 4	- 6	- 6	- 6	- 5	- 4	5.0
JUN	III	- 2	0	+ 1	+ 2	+ 2	+ 2	+ 3	+ 3	0	- 4	- 4	+ 1	+ 4	+ 6	+ 8	+ 7	0	- 4	- 4	- 5	- 5	- 5	- 4	- 2	3.3
JUL	III	- 4	- 2	0	+ 1	+ 2	+ 2	+ 1	+ 4	- 1	- 6	- 6	+ 1	+ 9	+12	+14	7	+ 1	- 3	- 4	- 5	- 6	- 6	- 6	- 5	4.5
AUG	III	- 2	0	0	+ 2	+ 2	+ 3	+ 2	- 1	- 8	-11	- 8	0	+ 9	+14	+14	+11	+ 4	- 1	- 2	- 4	- 6	- 6	- 6	- 4	5.1
SEP	II	- 2	+ 1	+ 2	0	0	- 1	- 5	-13	-19	-15	- 1	+16	+26	+26	+22	+12	+ 2	- 4	- 7	- 9	-10	-10	- 8	- 6	9.0
OCT	II	- 6	- 2	- 1	- 1	- 2	- 5	-10	-15	-17	-12	+ 1	+17	+27	+30	+27	+18	+ 3	- 5	- 8	- 8	-10	- 8	- 7	- 6	10.3
NOV	I	- 3	- 3	0	- 1	- 2	- 7	-12	-13	- 8	- 2	+11	+19	+23	+23	+18	+ 8	- 2	- 6	- 8	- 9	- 8	- 8	- 7	- 5	8.6
DEC	I	- 6	- 5	- 5	- 5	- 7	-10	-11	-10	- 4	+ 4	+15	+23	+23	+18	+12	+ 4	- 2	- 4	- 4	- 4	- 4	- 5	- 6	- 8	8.3
MEANS	I	- 6.8	- 5.6	- 4.0	- 4.1	- 4.9	- 9.0	-13.9	-15.4	-12.2	- 2.7	+12.8	+23.7	+27.6	+27.4	+21.9	+11.8	+ 1.1	- 5.1	- 6.7	- 6.5	- 6.8	- 7.5	- 7.7	- 7.5	10.5
	II	- 5.0	- 2.5	- 1.5	- 1.7	- 1.8	- 3.4	- 7.1	-12.5	-16.7	-13.0	- 0.8	+14.2	+26.2	+29.4	+25.3	+15.8	+ 4.3	- 3.6	- 6.9	- 7.9	- 8.8	- 8.7	- 7.5	- 5.9	9.6
	III	- 2.5	- 0.7	+ 0.1	+ 1.5	+ 1.6	+ 1.6	+ 1.1	+ 1.2	- 3.8	- 7.6	- 5.6	+ 1.7	+ 8.3	+11.6	+12.5	+ 9.0	+ 2.0	- 2.8	- 3.7	- 5.0	- 5.8	- 5.8	- 5.2	- 3.9	4.4
	YEAR	- 4.7	- 2.9	- 1.8	- 1.4	- 1.7	- 3.6	- 6.6	- 8.9	-10.9	- 7.8	+ 2.1	+13.2	+20.7	+22.8	+19.9	+12.2	+ 2.5	- 3.9	- 5.8	- 6.5	- 7.1	- 7.3	- 6.8	- 5.8	7.8

TABLE 401--CONCLUDED

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-11	- 1	+ 9	+18	+22	+25	+24	+15	+ 4	- 4	- 5	- 5	- 5	- 6	- 7	- 6	- 7	- 6	- 5	- 5	- 6	-10	-13	-14	9.8
FEB	I	-28	-17	+13	+33	+42	+41	+34	+20	+ 4	- 7	- 8	- 7	- 8	-10	-10	-11	- 9	- 7	- 6	- 4	- 5	- 8	-16	-25	15.6
MAR	II	-17	-14	- 2	+14	+27	+36	+34	+23	+ 8	- 2	- 8	- 9	- 9	- 9	- 9	- 7	- 6	- 6	- 5	- 4	- 5	- 6	- 9	-15	11.9
APR	II	-15	-14	- 5	+10	+23	+27	+21	+12	+ 4	- 2	- 5	- 6	- 7	- 6	- 7	- 6	- 5	- 4	- 3	- 2	- 2	- 2	- 2	- 5	8.1
MAY	III	- 8	- 9	- 4	+ 5	+12	+15	+15	+11	+ 3	- 4	- 5	- 6	- 6	- 6	- 5	- 3	- 1	0	0	+ 1	0	- 1	- 1	- 2	5.2
JUN	III	- 1	- 5	- 4	+ 2	+ 5	+ 6	+ 6	+ 4	- 1	- 4	- 5	- 6	- 6	- 4	- 3	- 2	0	+ 1	+ 2	+ 2	+ 2	+ 2	+ 3	+ 4	3.4
JUL	III	- 2	- 9	-10	- 4	+ 6	+13	+15	+10	+ 4	- 1	- 2	- 3	- 6	- 8	- 8	- 6	- 3	- 1	+ 1	+ 2	+ 3	+ 3	+ 3	+ 5	5.3
AUG	III	- 9	-11	- 7	0	+ 9	+13	+12	+10	+ 4	- 1	- 4	- 5	- 6	- 6	- 5	- 3	- 1	0	+ 1	+ 2	+ 2	+ 3	+ 2	- 1	4.8
SEP	II	-22	-18	- 3	+17	+28	+30	+26	+14	+ 4	- 3	- 5	- 7	-12	-11	-10	- 7	- 6	- 2	+ 1	+ 1	+ 1	0	- 5	-13	10.2
OCT	II	-16	-11	+ 2	+17	+27	+30	+26	+15	+ 1	- 6	- 8	-10	-12	- 9	- 7	- 6	- 3	- 1	- 1	- 1	- 2	- 4	- 9	-14	9.9
NOV	I	- 8	- 2	+10	+18	+21	+21	+16	+ 8	0	- 4	- 7	- 9	- 8	- 7	- 6	- 5	- 4	- 1	- 2	- 2	- 3	- 6	-10	-11	7.8
DEC	I	- 2	+ 7	+19	+27	+26	+19	+10	+ 4	- 3	- 5	- 5	- 5	- 4	- 5	- 5	-10	- 7	- 7	- 6	- 6	- 7	-11	-13	-12	9.5
MEANS	I	-12.2	- 3.1	+12.8	+23.9	+27.6	+26.7	+21.2	+11.6	+ 1.3	- 5.1	- 6.4	- 6.6	- 6.6	- 6.9	- 7.1	- 8.2	- 6.6	- 5.3	- 4.6	- 4.3	- 5.2	- 8.7	-12.9	-15.5	10.4
	II	-17.5	-14.2	- 2.0	+14.3	+26.3	+30.6	+26.8	+16.1	+ 4.3	- 3.2	- 6.5	- 7.9	- 9.9	- 8.7	- 8.0	- 6.5	- 4.9	- 2.8	- 2.0	- 1.5	- 2.0	- 3.2	- 6.4	-11.8	9.9
	III	- 5.0	- 8.5	- 6.2	+ 0.8	+ 8.0	+11.6	+11.9	+ 8.6	+ 2.4	- 2.8	- 3.9	- 4.9	- 5.8	- 6.0	- 5.3	- 3.6	- 1.4	+ 0.2	+ 1.1	+ 1.7	+ 2.0	+ 1.7	+ 1.9	+ 1.4	4.4
	YEAR	-11.6	- 8.6	+ 1.5	+13.0	+20.6	+23.0	+20.0	+12.1	+ 2.7	- 3.7	- 5.6	- 6.5	- 7.4	- 7.2	- 6.8	- 6.1	- 4.3	- 2.7	- 1.9	- 1.4	- 1.7	- 3.4	- 5.8	- 8.6	7.8

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-13	+ 1	+22	+38	+45	+35	+22	+ 6	- 4	-14	-19	-16	-13	-14	-17	-14	-11	- 7	- 1	+ 1	- 2	- 5	- 8	-12	14.1
FEB	I	-17	-10	+11	+30	+40	+42	+35	+23	+ 4	- 3	- 9	-18	-15	-16	-18	-26	-22	- 8	- 4	- 4	+ 3	+ 6	- 8	-17	16.2
MAR	II	-14	-14	- 8	+20	+42	+48	+42	+23	+11	+ 4	-20	-19	-24	-28	-24	-20	-19	-19	- 4	+ 9	+20	+ 5	- 1	-13	18.8
APR	II	- 1	- 1	+ 9	+15	+19	+25	+22	+ 8	+ 3	- 9	-23	-26	-25	-18	-19	-19	- 9	+ 5	+ 8	+ 8	+12	+ 8	+ 7	+ 1	12.5
MAY	III	- 1	- 1	+ 2	+10	+18	+19	+14	+ 6	- 3	- 8	-12	-14	-16	-16	-14	- 8	- 7	0	+ 6	+ 6	+10	+ 3	+ 4	+ 1	8.3
JUN	III	- 1	- 3	- 4	+ 1	+ 3	+ 8	+10	+ 7	0	- 4	- 4	- 6	- 9	- 9	-14	- 8	- 3	- 1	- 1	+ 7	+ 9	+ 6	+ 7	+ 6	5.4
JUL	III	+ 5	+ 1	- 1	+ 5	+11	+16	+17	+13	+ 2	-12	-18	-18	-22	-24	-17	- 9	- 4	+ 8	+ 7	+ 7	+14	+11	+ 4	+ 5	10.4
AUG	III	0	- 6	- 7	- 5	+ 3	+ 9	+ 9	+ 7	- 1	-10	- 7	- 7	- 9	-13	-10	- 6	- 5	- 3	+ 9	+ 8	+11	+ 5	+18	+ 8	7.3
SEP	II	- 5	- 8	- 4	+ 7	+15	+20	+16	+ 9	- 4	-17	-26	-15	-11	- 8	-14	- 3	+ 6	+ 6	+10	+ 8	+10	+ 5	+ 6	- 3	9.8
OCT	II	- 3	+ 2	+12	+25	+34	+37	+31	+14	+ 2	- 8	-24	-22	-27	-33	-25	- 8	-20	- 8	- 5	+ 2	+10	+10	+ 5	- 1	15.2
NOV	I	- 8	+ 2	+16	+27	+32	+28	+19	+ 6	- 7	-16	-21	-19	-21	-18	-14	- 8	- 1	+ 1	+ 5	+ 7	+ 5	- 2	- 7	- 6	12.3
DEC	I	- 6	+ 5	+22	+30	+40	+33	+23	+ 9	0	- 7	-15	-17	-26	-26	-16	- 8	-10	+ 2	+ 4	+ 1	- 1	- 7	-15	-15	14.2
MEANS	I	-11.0	- 0.4	+17.8	+31.2	+39.1	+34.2	+24.7	+11.2	- 2.0	- 9.9	-16.2	-17.4	-18.8	-18.4	-16.3	-13.8	-10.9	- 2.8	+ 1.0	+ 1.3	+ 1.2	- 2.1	- 9.5	-12.8	13.5
	II	- 5.8	- 5.6	+ 2.3	+16.8	+27.5	+32.3	+27.6	+13.6	+ 3.1	- 7.4	-23.1	-20.6	-21.7	-21.4	-20.5	-12.3	-10.4	- 4.0	+ 2.3	+ 6.6	+13.1	+ 6.9	+ 4.3	- 4.0	13.0
	III	+ 0.8	- 2.2	- 2.5	+ 3.0	+ 8.8	+13.2	+12.8	+ 8.2	- 0.5	- 8.6	-10.0	-11.0	-13.9	-15.4	-13.7	- 7.6	- 5.0	+ 1.0	+ 5.4	+ 7.1	+10.8	+ 6.2	+ 8.1	+ 5.0	7.5
	YEAR	- 5.3	- 2.7	- 5.9	+17.0	+25.2	+26.6	+21.7	+11.0	+ 0.2	- 8.6	-16.5	-16.3	-18.1	-18.4	-16.8	-11.2	- 8.8	- 2.0	+ 2.9	+ 5.0	+ 8.4	+ 3.7	+ 1.0	- 3.9	10.7

TABLE 402

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 9	+ 8	+ 5	+ 4	+ 6	+10	+14	+14	+10	0	-14	-26	-29	-28	-23	-13	- 4	+ 3	+ 6	+ 7	+ 8	+10	+11	+11	11.3
FEB	1	+10	+ 8	+ 7	+ 6	+ 5	+ 8	+16	+22	+22	+ 8	-14	-32	-42	-42	-34	-20	- 4	+ 7	+10	+10	+11	+12	+13	+13	15.6
MAR	II	+12	+ 9	+ 6	+ 4	+ 1	+ 4	+ 8	+13	+15	+11	- 1	-18	-34	-41	-36	-24	-10	+ 1	+10	+12	+14	+15	+15	+12	13.6
APR	II	+ 6	+ 3	+ 2	+ 2	+ 1	+ 2	+ 5	+ 9	+12	+ 8	- 1	-12	-23	-27	-23	-15	- 6	+ 2	+ 8	+ 8	+10	+11	+11	+ 9	8.9
MAY	III	+ 2	0	- 1	- 1	0	+ 2	+ 2	+ 6	+12	+12	+ 5	- 5	-14	-17	-19	-15	- 5	+ 3	+ 5	+ 6	+ 7	+ 7	+ 6	+ 5	6.5
JUN	III	0	- 2	- 2	- 4	- 3	- 1	- 1	0	+ 5	+ 8	+ 6	+ 1	- 4	-10	-13	-10	- 3	+ 4	+ 5	+ 6	+ 6	+ 5	+ 4	+ 2	4.3
JUL	III	+ 1	- 2	- 3	- 3	- 2	0	0	0	+ 6	+10	+ 9	0	- 9	-15	-15	-12	- 4	+ 3	+ 6	+ 8	+ 7	+ 8	+ 6	+ 3	5.4
AUG	III	+ 2	0	- 1	- 2	- 2	- 2	- 2	+ 2	+ 9	+12	+10	+ 3	- 8	-16	-18	-15	- 6	+ 2	+ 4	+ 6	+ 6	+ 6	+ 6	+ 4	6.0
SEP	II	+ 4	0	- 1	- 1	- 1	+ 1	+ 3	+10	+14	+11	+ 2	-12	-22	-24	-21	-13	- 4	+ 3	+ 9	+ 8	+ 9	+ 8	+ 8	+ 6	8.1
OCT	II	+ 7	+ 3	+ 1	0	- 1	+ 1	+ 5	+11	+14	+10	- 2	-17	-29	-32	-27	-16	- 3	+ 5	+10	+11	+14	+14	+11	+ 8	10.5
NOV	I	+ 5	+ 3	+ 1	0	+ 2	+ 6	+11	+12	+ 9	+ 2	- 8	-18	-25	-26	-21	-11	- 1	+ 4	+ 8	+ 9	+11	+11	+ 9	+ 7	9.2
DEC	1	+ 6	+ 3	+ 2	+ 2	+ 4	+ 8	+13	+11	+ 4	- 3	-15	-22	-23	-19	-14	- 7	0	+ 5	+ 6	+ 8	+ 8	+ 8	+ 8	+ 7	8.6
MEANS	I	+ 7.6	+ 5.4	+ 3.8	+ 3.2	+ 4.2	+ 7.9	+13.3	+14.8	+11.1	+ 1.8	-13.0	-24.5	-29.8	-28.8	-22.8	-12.7	- 2.3	+ 4.6	+ 7.6	+ 8.4	+ 9.5	+10.2	+10.4	+ 9.6	11.1
	II	+ 7.0	+ 4.0	+ 2.0	+ 1.1	0.0	+ 2.2	+ 5.1	+10.8	+13.9	+ 9.9	- 0.4	-14.6	-26.9	-30.8	-26.8	-17.0	- 5.8	+ 2.9	+ 9.2	+10.1	+11.7	+12.0	+11.4	+ 8.8	10.2
	III	+ 1.4	- 0.7	- 1.7	- 2.1	- 2.0	- 0.5	- 0.2	+ 1.9	+ 7.6	+10.5	+ 7.5	- 0.4	- 8.8	-14.5	-16.2	-13.1	- 4.5	+ 2.9	+ 5.0	+ 6.2	+ 6.4	+ 6.4	+ 5.4	+ 3.8	5.4
	YEAR	+ 5.3	+ 2.9	+ 1.4	+ 0.7	+ 0.7	+ 3.2	+ 6.0	+ 9.2	+10.9	+ 7.4	- 2.0	-13.2	-21.8	-24.7	-21.9	-14.3	- 4.2	+ 3.4	+ 7.3	+ 8.3	+ 9.2	+ 9.5	+ 9.1	+ 7.4	8.5

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 8	+ 7	+ 5	+ 4	+ 6	+ 9	+15	+14	+10	+ 1	-11	-20	-25	-28	-25	-14	- 3	+ 4	+ 6	+ 6	+ 6	+ 8	+ 8	+ 8	10.5
FEB	I	+ 9	+ 7	+ 6	+ 6	+ 5	+10	+17	+22	+22	+ 7	-18	-34	-40	-39	-32	-18	- 2	+ 8	+10	+ 9	+11	+12	+12	+12	15.3
MAR	II	+ 7	+ 6	+ 6	+ 5	+ 5	+ 7	+10	+14	+16	+13	+ 1	-15	-30	-37	-33	-22	- 9	+ 2	+ 7	+ 9	+ 9	+11	+11	+ 8	12.2
APR	II	+ 3	+ 2	+ 2	+ 2	+ 2	+ 3	+ 5	+10	+14	+10	+ 1	-11	-24	-27	-22	-14	- 4	+ 3	+ 6	+ 7	+ 8	+ 8	+ 8	+ 7	8.5
MAY	III	+ 2	+ 1	+ 1	0	+ 1	+ 3	+ 3	+ 5	+10	+12	+ 4	- 7	-15	-18	-18	-14	- 4	+ 4	+ 5	+ 6	+ 5	+ 5	+ 4	+ 4	6.3
JUN	III	- 1	- 2	- 2	- 3	- 2	- 1	- 1	0	+ 5	+ 9	+ 7	0	- 5	- 8	-11	-10	- 2	+ 4	+ 5	+ 5	+ 5	+ 4	+ 3	+ 2	4.1
JUL	III	+ 1	0	- 2	- 2	- 2	- 1	- 1	- 1	+ 5	+10	+10	+ 2	- 7	-11	-14	-10	- 3	+ 2	+ 3	+ 4	+ 5	+ 5	+ 4	+ 3	4.6
AUG	III	+ 1	0	- 1	- 1	- 1	- 1	+ 1	+ 4	+11	+14	+10	0	-10	-16	-18	-14	- 6	0	+ 3	+ 5	+ 6	+ 5	+ 6	+ 4	5.8
SEP	II	+ 2	+ 1	0	+ 2	+ 2	+ 3	+ 7	+15	+20	+15	0	-17	-27	-27	-22	-13	- 4	+ 3	+ 6	+ 8	+ 8	+ 8	+ 6	+ 5	9.2
OCT	II	+ 4	+ 2	+ 1	+ 1	+ 2	+ 5	+11	+16	+16	+12	0	-16	-28	-31	-27	-17	- 4	+ 4	+ 7	+ 8	+ 9	+ 9	+ 8	+ 8	10.4
NOV	I	+ 4	+ 3	+ 3	+ 2	+ 3	+ 8	+13	+13	+ 8	+ 2	- 9	-17	-22	-24	-20	- 9	0	+ 4	+ 6	+ 7	+ 7	+ 6	+ 5	+ 5	8.4
DEC	I	+ 5	+ 4	+ 4	+ 4	+ 5	+ 8	+10	+ 9	+ 3	- 3	-12	-19	-19	-15	-10	- 5	+ 1	+ 3	+ 3	+ 3	+ 4	+ 4	+ 5	+ 8	6.8
MEANS	I	+ 6.4	+ 5.2	+ 4.1	+ 3.9	+ 4.8	+ 8.9	+13.7	+14.5	+10.6	+ 1.9	-12.5	-22.6	-26.2	-26.5	-21.7	-11.6	- 1.0	+ 4.9	+ 6.4	+ 6.3	+ 7.0	+ 7.5	+ 7.8	+ 8.0	10.2
	II	+ 4.0	+ 2.6	+ 2.2	+ 2.4	+ 2.8	+ 4.5	+ 8.2	+13.6	+16.7	+12.4	+ 0.4	-14.8	-27.4	-30.6	-26.1	-16.6	- 5.2	+ 3.2	+ 6.8	+ 7.9	+ 8.7	+ 9.0	+ 8.1	+ 6.9	10.0
	III	+ 0.7	- 0.2	- 0.9	- 1.7	- 1.0	- 0.4	+ 0.7	+ 2.0	+ 7.8	+11.1	+ 7.7	- 1.1	- 9.2	-13.4	-15.4	-12.0	- 3.9	+ 2.6	+ 4.0	+ 5.0	+ 5.2	+ 4.8	+ 4.2	+ 3.2	4.9
	YEAR	+ 3.7	+ 2.5	+ 1.8	+ 1.6	+ 2.2	+ 4.4	+ 7.5	+10.1	+11.7	+ 8.5	- 1.5	-12.9	-20.9	-23.5	-21.0	-13.4	- 3.3	+ 3.5	+ 5.7	+ 6.4	+ 7.0	+ 7.1	+ 6.7	+ 6.0	8.0

TABLE 402--CONCLUDED

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1942

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED -- A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 8	- 2	-11	-19	-22	-25	-24	-15	- 3	+ 4	+ 5	+ 4	+ 5	+ 6	+ 7	+ 7	+ 8	+ 8	+ 7	+ 7	+ 7	+11	+14	+13	10.1
FEB	I	+23	+10	-18	-36	-43	-43	-36	-20	- 4	+ 7	+ 8	+ 8	+10	+11	+12	+12	+11	+ 9	+ 8	+ 7	+ 9	+12	+19	+26	16.8
MAR	II	+16	+13	+ 1	-16	-30	-39	-35	-23	- 9	+ 1	+ 7	+ 8	+ 9	+ 9	+10	+ 8	+ 7	+ 7	+ 7	+ 7	+ 8	+ 9	+11	+16	12.7
APR	II	+13	+11	+ 1	-13	-26	-29	-25	-16	- 6	+ 2	+ 5	+ 6	+ 8	+ 7	+ 8	+ 7	+ 6	+ 5	+ 5	+ 4	+ 5	+ 6	+ 6	+10	9.7
MAY	III	+11	+11	+ 3	- 7	-15	-18	-18	-14	- 4	+ 4	+ 6	+ 6	+ 6	+ 5	+ 4	+ 3	+ 1	0	0	0	+ 1	+ 3	+ 4	+ 7	6.4
JUN	III	+ 6	+ 9	+ 8	0	- 6	- 6	-10	- 8	- 2	+ 3	+ 4	+ 4	+ 4	+ 3	+ 1	0	- 2	- 2	- 3	- 2	- 2	- 1	0	0	3.6
JUL	III	+ 6	+13	+12	+ 5	- 6	-13	-16	-12	- 5	+ 1	+ 2	+ 3	+ 3	+ 4	+ 5	+ 3	+ 2	0	- 2	- 2	- 2	- 1	- 1	- 1	5.0
AUG	III	+11	+13	+ 8	0	-10	-16	-17	-14	- 7	0	+ 3	+ 4	+ 5	+ 5	+ 5	+ 3	+ 2	0	0	- 1	0	0	+ 1	+ 5	5.5
SEP	II	+22	+17	+ 2	-18	-28	-29	-24	-13	- 4	+ 4	+ 5	+ 6	+ 9	+ 8	+ 6	+ 5	+ 4	+ 2	+ 1	+ 1	+ 1	+ 3	+ 8	+16	9.8
OCT	II	+14	+10	- 2	-18	-28	-32	-28	-17	- 3	+ 4	+ 7	+ 8	+10	+ 8	+ 7	+ 6	+ 4	+ 3	+ 3	+ 3	+ 5	+ 8	+12	+17	10.7
NOV	I	+ 9	+ 4	- 8	-16	-21	-23	-18	- 9	- 2	+ 2	+ 5	+ 6	+ 6	+ 5	+ 5	+ 5	+ 4	+ 2	+ 3	+ 2	+ 4	+ 8	+13	+15	8.2
DEC	I	0	- 7	-18	-25	-24	-18	-11	- 6	+ 1	+ 4	+ 4	+ 4	+ 4	+ 5	+ 6	+10	+ 7	+ 7	+ 6	+ 6	+ 8	+12	+15	+12	9.2
MEANS	I	+ 9.9	+ 1.1	-13.8	-24.2	-27.6	-27.2	-22.3	-12.6	- 2.3	+ 4.1	+ 5.5	+ 5.7	+ 6.3	+ 6.8	+ 7.4	+ 8.6	+ 7.4	+ 6.4	+ 6.1	+ 5.8	+ 7.0	+10.7	+15.1	+16.6	10.9
	II	+16.5	+12.7	+ 0.5	-16.2	-28.4	-32.4	-28.0	-17.4	- 5.4	+ 2.5	+ 6.0	+ 7.0	+ 8.8	+ 7.8	+ 7.5	+ 6.5	+ 5.4	+ 4.4	+ 4.0	+ 3.8	+ 4.8	+ 6.2	+ 9.4	+14.6	10.7
	III	+ 8.5	+11.5	+ 7.8	- 0.6	- 9.1	-13.3	-15.2	-11.8	- 4.5	+ 2.1	+ 3.7	+ 4.4	+ 4.6	+ 4.4	+ 3.6	+ 2.3	+ 0.7	- 0.6	- 1.3	- 1.2	- 0.8	+ 0.4	+ 1.1	+ 2.7	4.8
	YEAR	+11.6	+ 8.4	- 1.8	-13.6	-21.7	-24.3	-21.8	-13.9	- 4.1	+ 2.9	+ 5.0	+ 5.7	+ 6.6	+ 6.4	+ 6.2	+ 5.8	+ 4.5	+ 3.4	+ 2.9	+ 2.8	+ 3.7	+ 5.8	+ 8.5	+11.3	8.4

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+14	- 1	-24	-38	-42	-35	-24	-11	- 1	+ 6	+12	+11	+11	+13	+19	+17	+12	+ 9	+ 5	+ 5	+ 7	+ 9	+13	+15	14.7
FEB	I	+20	+ 8	-13	-31	-40	-40	-33	-21	- 6	+ 7	+ 9	+18	+15	+16	+18	+23	+20	+ 8	+ 5	+ 2	- 3	- 5	+ 8	+15	16.0
MAR	II	+10	+ 7	- 4	-26	-44	-50	-44	-26	-11	+ 2	+15	+22	+25	+29	+27	+26	+22	+24	+10	- 3	-16	- 5	- 3	+ 8	19.1
APR	II	+13	+ 9	- 3	-12	-17	-25	-28	-20	-13	0	+13	+14	+13	+13	+18	+18	+ 5	0	- 2	- 2	- 6	0	+ 3	+ 9	10.7
MAY	III	+11	+10	+ 6	- 4	-13	-18	-19	-15	- 3	+ 2	+ 6	+ 8	+10	+10	+ 9	+ 6	+ 4	- 1	- 6	- 4	- 4	+ 1	0	+ 4	7.3
JUN	III	+10	+10	+ 9	+ 2	- 4	-12	-14	-10	0	+ 7	+ 7	+ 7	+ 9	+ 5	+ 6	+ 2	+ 1	- 2	- 2	- 9	-10	- 6	- 5	- 4	6.4
JUL	III	+ 8	+12	+12	+ 2	- 8	-16	-22	-16	- 6	+ 5	+11	+ 9	+13	+13	+12	+ 4	+ 1	- 7	- 5	- 4	- 8	- 4	- 2	- 3	8.4
AUG	III	+ 8	+11	+11	+ 5	- 5	-13	-16	-15	- 5	+ 6	+ 4	+ 5	+ 7	+ 9	+ 9	+ 6	+ 6	+ 2	- 4	- 3	- 6	- 2	-13	- 5	7.4
SEP	II	+12	+13	+ 6	- 8	-19	-25	-22	-14	- 3	+ 8	+18	+11	+11	+ 8	+12	+ 4	0	- 3	- 4	- 3	- 4	- 1	- 2	+ 5	9.0
OCT	II	+11	+ 4	- 7	-21	-31	-31	-26	-12	0	+ 7	+23	+21	+20	+23	+18	+10	+17	+ 4	0	- 5	- 9	- 7	- 6	- 2	13.2
NOV	I	+ 9	0	-13	-26	-32	-27	-19	-10	+ 1	+ 9	+15	+13	+20	+18	+12	+10	+ 4	+ 4	+ 1	- 2	- 1	+ 2	+ 6	+ 6	10.9
DEC	I	+ 9	- 1	-18	-26	-34	-26	-18	- 7	+ 1	+ 8	+11	+14	+23	+19	+14	+ 7	+ 9	+ 1	- 2	- 3	- 2	+ 3	+11	+ 9	11.5
MEANS	I	+13.0	+ 1.4	-17.0	-30.3	-37.1	-31.8	-23.7	-12.3	- 1.2	+ 7.4	+11.8	+14.0	+17.2	+16.6	+16.0	+14.4	+11.2	+ 5.4	+ 2.5	+ 0.5	- 0.1	+ 2.3	+ 9.4	+11.2	12.8
	II	+11.5	+ 8.4	- 2.0	-16.5	-27.6	-32.7	-30.0	-18.1	- 6.8	+ 4.1	+17.5	+17.2	+17.3	+18.3	+18.5	+14.6	+11.3	+ 6.3	+ 0.8	- 3.3	- 8.7	- 3.0	- 2.2	+ 5.2	12.6
	III	+ 9.2	+10.8	+ 9.4	+ 1.4	- 7.4	-14.6	-18.0	-14.2	- 3.7	+ 4.8	+ 6.8	+ 7.2	+ 9.8	+ 9.3	+ 8.9	+ 4.5	+ 3.2	- 2.0	- 4.4	- 4.8	- 7.1	- 2.6	- 4.8	- 2.2	7.1
	YEAR	+11.2	+ 6.9	- 3.2	-15.1	-24.0	-26.3	-23.9	-14.8	- 3.9	+ 5.4	+12.0	+12.8	+14.8	+14.7	+14.5	+11.2	+ 8.6	+ 3.2	- 0.4	- 2.5	- 5.3	- 1.1	+ 0.8	+ 4.8	10.1

TABLE 403

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 0.5	- 0.6	- 0.7	- 0.8	- 0.8	- 1.4	- 2.5	- 3.7	- 4.0	- 3.7	- 2.3	- 0.3	+ 1.6	+ 3.1	+ 3.8	+ 3.7	+ 2.9	+ 2.2	+ 1.6	+ 1.2	+ 0.9	+ 0.4	+ 0.2	- 0.1	1.80
FEB	I	- 0.2	- 0.4	- 0.5	- 0.5	- 0.6	- 1.2	- 2.2	- 3.6	- 4.2	- 3.9	- 2.4	- 0.2	+ 1.9	+ 3.1	+ 3.8	+ 3.6	+ 3.1	+ 2.0	+ 1.1	+ 0.6	+ 0.6	+ 0.3	0.0	- 0.2	1.66
MAR	II	- 0.5	- 0.6	- 0.6	- 0.5	- 0.3	- 0.3	- 1.1	- 2.1	- 2.9	- 3.1	- 2.3	- 0.7	+ 1.0	+ 2.2	+ 2.9	+ 2.9	+ 2.5	+ 1.9	+ 1.3	+ 0.7	+ 0.3	+ 0.1	- 0.1	- 0.5	1.31
APR	II	- 0.3	- 0.3	0.0	+ 0.3	+ 0.2	+ 0.1	- 0.3	- 0.8	- 1.9	- 2.6	- 2.4	- 1.3	+ 0.5	+ 1.7	+ 2.6	+ 2.7	+ 2.2	+ 1.3	+ 0.5	- 0.1	- 0.4	- 0.5	- 0.8	- 0.6	1.01
MAY	III	- 0.6	- 0.4	- 0.1	+ 0.1	+ 0.4	+ 0.3	+ 0.5	+ 0.6	- 0.2	- 0.9	- 1.1	- 0.8	+ 0.1	+ 0.8	+ 1.6	+ 2.0	+ 1.7	+ 0.5	- 0.1	- 0.3	- 0.6	- 1.0	- 1.3	- 1.1	0.71
JUN	III	- 0.7	- 0.1	+ 0.1	+ 0.4	+ 0.3	+ 0.4	+ 0.5	+ 0.4	+ 0.3	- 0.3	- 0.8	- 0.6	0.0	+ 0.3	+ 1.1	+ 1.5	+ 1.2	+ 0.4	- 0.2	- 0.2	- 0.7	- 1.0	- 1.0	- 1.1	0.58
JUL	III	- 1.0	- 0.3	+ 0.1	+ 0.4	+ 1.0	+ 0.6	+ 0.6	+ 0.7	- 0.1	- 1.0	- 1.6	- 1.4	- 0.4	+ 0.6	+ 1.5	+ 1.9	+ 1.5	+ 0.8	+ 0.2	- 0.3	- 0.4	- 1.0	- 1.3	- 1.2	0.84
AUG	III	- 1.0	- 0.2	+ 0.4	+ 0.7	+ 0.8	+ 1.0	+ 1.0	+ 1.1	+ 0.2	- 0.9	- 1.8	- 1.6	- 0.6	+ 1.0	+ 1.9	+ 2.3	+ 1.8	+ 0.9	- 0.2	- 0.4	- 1.2	- 1.4	- 1.9	- 2.0	1.09
SEP	II	- 0.5	- 0.1	+ 0.2	+ 0.8	+ 0.7	+ 1.0	+ 1.1	+ 0.2	- 1.0	- 1.9	- 2.4	- 2.1	- 0.5	+ 1.1	+ 2.1	+ 2.6	+ 2.1	+ 1.2	- 0.2	- 1.1	- 0.4	- 0.9	- 1.4	- 0.7	1.10
OCT	II	- 0.2	- 0.3	+ 0.2	+ 0.1	+ 0.2	0.0	- 0.5	- 1.6	- 2.2	- 2.7	- 2.4	- 1.2	+ 0.6	+ 2.5	+ 3.5	+ 3.4	+ 2.8	+ 1.4	+ 0.4	- 0.4	- 0.7	- 0.9	- 1.1	- 0.9	1.25
NOV	I	- 0.4	- 0.3	- 0.3	- 0.1	- 0.4	- 1.0	- 1.8	- 2.4	- 2.7	- 2.8	- 2.2	- 1.0	+ 0.8	+ 2.4	+ 3.3	+ 3.5	+ 2.7	+ 2.0	+ 1.3	+ 0.8	+ 0.3	- 0.2	- 0.7	- 0.7	1.41
DEC	I	- 0.8	- 1.0	- 0.7	- 0.2	- 0.6	- 1.2	- 1.8	- 2.1	- 2.7	- 3.0	- 2.4	- 0.9	+ 0.7	+ 2.2	+ 3.4	+ 3.6	+ 3.2	+ 2.4	+ 1.8	+ 1.3	+ 0.5	0.0	- 0.5	- 1.0	1.59
MEANS	I	- 0.5	- 0.6	- 0.6	- 0.4	- 0.6	- 1.2	- 2.1	- 3.0	- 3.4	- 3.3	- 2.3	- 0.6	+ 1.2	+ 2.7	+ 3.6	+ 3.6	+ 3.0	+ 2.1	+ 1.4	+ 1.0	+ 0.6	+ 0.1	- 0.3	- 0.5	1.61
	II	- 0.4	- 0.3	0.0	+ 0.2	+ 0.2	+ 0.2	- 0.2	- 1.1	- 2.0	- 2.6	- 2.4	- 1.3	+ 0.4	+ 1.9	+ 2.8	+ 2.9	+ 2.4	+ 1.4	+ 0.5	- 0.2	- 0.3	- 0.6	- 0.8	- 0.7	1.07
	III	- 0.8	- 0.2	+ 0.1	+ 0.4	+ 0.6	+ 0.6	+ 0.6	+ 0.7	0.0	- 0.8	- 1.3	- 1.1	- 0.2	+ 0.7	+ 1.5	+ 1.9	+ 1.6	+ 0.7	- 0.1	- 0.3	- 0.7	- 1.1	- 1.4	- 1.4	0.79
	YEAR	- 0.6	- 0.4	- 0.2	0.0	+ 0.1	- 0.1	- 0.5	- 1.1	- 1.8	- 2.2	- 2.0	- 1.0	+ 0.5	+ 1.8	+ 2.6	+ 2.8	+ 2.3	+ 1.4	+ 0.6	+ 0.1	- 0.2	- 0.5	- 0.8	- 0.8	1.02

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	+ 0.1	- 0.2	- 0.4	- 0.5	- 0.6	- 1.3	- 2.3	- 3.5	- 3.9	- 3.7	- 2.6	- 0.8	+ 1.1	+ 2.6	+ 3.3	+ 3.2	+ 2.5	+ 1.9	+ 1.4	+ 1.1	+ 0.9	+ 0.8	+ 0.5	+ 0.2	1.64
FEB	I	- 0.1	- 0.4	- 0.5	- 0.4	- 0.6	- 1.1	- 2.1	- 3.5	- 4.0	- 3.7	- 2.4	- 0.2	+ 1.6	+ 2.6	+ 3.3	+ 3.3	+ 2.6	+ 1.8	+ 1.1	+ 0.9	+ 0.7	+ 0.6	+ 0.4	0.0	1.58
MAR	II	- 0.7	- 0.4	- 0.4	- 0.4	- 0.2	- 0.6	- 1.4	- 2.3	- 3.4	- 3.7	- 2.8	- 1.0	+ 1.1	+ 2.3	+ 3.1	+ 3.0	+ 2.5	+ 1.7	+ 1.4	+ 1.1	+ 0.7	+ 0.4	+ 0.2	- 0.2	1.46
APR	II	- 0.6	- 0.4	0.0	+ 0.3	+ 0.4	+ 0.2	- 0.4	- 1.2	- 2.4	- 3.1	- 2.9	- 1.6	+ 0.5	+ 1.7	+ 2.5	+ 2.4	+ 1.9	+ 1.3	+ 0.8	+ 0.5	+ 0.2	0.0	- 0.1	0.0	1.06
MAY	III	- 0.5	- 0.2	- 0.1	0.0	+ 0.2	+ 0.1	0.0	+ 0.1	- 0.6	- 1.2	- 1.5	- 1.2	- 0.2	+ 0.5	+ 1.2	+ 1.7	+ 1.6	+ 0.8	+ 0.4	+ 0.2	- 0.1	- 0.3	- 0.5	- 0.6	0.58
JUN	III	- 0.4	- 0.2	- 0.1	+ 0.4	+ 0.2	+ 0.2	+ 0.2	+ 0.2	0.0	- 0.7	- 1.0	- 0.7	0.0	+ 0.3	+ 1.0	+ 1.3	+ 1.2	+ 0.4	0.0	- 0.3	- 0.3	- 0.7	- 0.6	- 0.6	0.47
JUL	III	- 0.3	+ 0.2	+ 0.4	+ 0.7	+ 0.9	+ 0.7	+ 0.6	+ 0.1	- 0.8	- 1.8	- 2.2	- 1.9	- 0.7	+ 0.6	+ 1.6	+ 1.9	+ 1.3	+ 0.5	+ 0.1	- 0.1	- 0.4	- 0.6	- 0.4	- 0.4	0.80
AUG	III	- 0.9	- 0.1	+ 0.5	+ 0.4	+ 0.6	+ 0.6	+ 0.9	+ 0.8	- 0.1	- 1.3	- 2.2	- 2.5	- 1.4	+ 0.1	+ 1.2	+ 1.8	+ 1.6	+ 1.0	+ 0.6	+ 0.2	- 0.4	- 0.4	- 0.6	- 0.6	0.87
SEP	II	- 0.3	- 0.1	+ 0.3	+ 0.9	+ 0.9	+ 0.6	+ 0.8	+ 0.3	- 1.4	- 2.5	- 3.0	- 2.6	- 0.9	+ 0.6	+ 1.8	+ 2.1	+ 1.9	+ 1.1	+ 0.4	- 0.1	0.0	- 0.2	- 0.4	- 0.4	0.99
OCT	II	- 0.1	- 0.4	- 0.3	- 0.1	- 0.2	- 0.4	- 0.6	- 1.6	- 2.6	- 3.3	- 3.0	- 1.7	+ 0.3	+ 1.9	+ 3.1	+ 3.3	+ 2.4	+ 1.5	+ 1.0	+ 0.6	+ 0.2	+ 0.1	0.0	0.0	1.21
NOV	I	- 0.4	- 0.5	- 0.2	+ 0.2	- 0.2	- 0.6	- 1.3	- 2.2	- 2.8	- 3.1	- 2.8	- 1.9	- 0.2	+ 1.4	+ 2.5	+ 2.8	+ 2.3	+ 1.8	+ 1.5	+ 1.2	+ 1.1	+ 0.7	+ 0.4	0.0	1.34
DEC	I	- 1.1	- 0.8	- 0.6	- 0.5	- 0.7	- 1.4	- 2.2	- 2.7	- 2.9	- 3.1	- 2.3	- 0.8	+ 0.9	+ 2.6	+ 3.8	+ 3.8	+ 2.9	+ 2.1	+ 1.6	+ 1.2	+ 0.6	+ 0.4	- 0.2	- 0.5	1.65
MEANS	I	- 0.4	- 0.5	- 0.4	- 0.3	- 0.5	- 1.1	- 2.0	- 3.0	- 3.4	- 3.4	- 2.5	- 0.9	+ 0.9	+ 2.3	+ 3.2	+ 3.3	+ 2.6	+ 1.9	+ 1.4	+ 1.1	+ 0.8	+ 0.6	+ 0.3	- 0.1	1.53
	II	- 0.4	- 0.3	- 0.1	+ 0.2	+ 0.2	- 0.1	- 0.4	- 1.2	- 2.5	- 3.2	- 2.9	- 1.7	+ 0.2	+ 1.6	+ 2.6	+ 2.7	+ 2.2	+ 1.4	+ 0.9	+ 0.5	+ 0.3	+ 0.1	- 0.1	- 0.2	1.08
	III	- 0.5	- 0.1	+ 0.2	+ 0.4	+ 0.5	+ 0.4	+ 0.4	+ 0.3	- 0.4	- 1.3	- 1.7	- 1.6	- 0.6	+ 0.4	+ 1.2	+ 1.7	+ 1.4	+ 0.7	+ 0.3	0.0	- 0.3	- 0.5	- 0.5	- 0.5	0.66
	YEAR	- 0.4	- 0.3	- 0.1	+ 0.1	+ 0.1	- 0.2	- 0.6	- 1.3	- 2.1	- 2.6	- 2.4	- 1.4	+ 0.2	+ 1.4	+ 2.4	+ 2.6	+ 2.1	+ 1.3	+ 0.9	+ 0.6	+ 0.3	+ 0.1	- 0.1	- 0.3	0.99

TABLE 403--CONCLUDED

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	- 3.6	- 3.7	- 2.8	- 1.2	+ 0.5	+ 2.2	+ 3.1	+ 3.3	+ 2.8	+ 2.1	+ 1.4	+ 1.0	+ 0.9	+ 0.8	+ 0.7	+ 0.4	- 0.2	- 0.2	- 0.2	- 0.2	- 0.7	- 1.3	- 1.9	- 3.1	1.59
FEB	I	- 3.7	- 3.7	- 2.8	- 0.9	+ 0.8	+ 2.0	+ 3.2	+ 3.3	+ 2.8	+ 1.9	+ 1.0	+ 0.9	+ 0.8	+ 0.7	+ 0.4	+ 0.2	0.0	- 0.1	- 0.2	- 0.3	- 0.5	- 0.9	- 1.8	- 3.1	1.51
MAR	II	- 3.6	- 4.0	- 3.3	- 1.5	+ 0.9	+ 2.0	+ 2.9	+ 3.0	+ 2.4	+ 1.8	+ 1.4	+ 1.0	+ 0.8	+ 0.5	+ 0.4	+ 0.2	0.0	- 0.2	- 0.2	- 0.3	- 0.5	- 0.8	- 1.1	- 1.6	1.44
APR	II	- 2.6	- 3.4	- 3.3	- 2.1	+ 0.5	+ 2.1	+ 2.9	+ 2.6	+ 1.9	+ 1.2	+ 0.8	+ 0.4	+ 0.2	+ 0.1	+ 0.1	0.0	0.0	0.0	+ 0.2	0.0	+ 0.2	0.0	- 0.5	- 1.1	1.09
MAY	III	- 0.5	- 1.3	- 1.6	- 1.5	- 0.5	+ 0.3	+ 0.9	+ 1.6	+ 1.8	+ 0.8	+ 0.3	+ 0.1	- 0.1	- 0.2	- 0.3	- 0.3	- 0.2	+ 0.1	+ 0.2	+ 0.1	0.0	0.0	0.0	+ 0.2	0.55
JUN	III	+ 0.1	- 0.7	- 1.1	- 0.8	- 0.2	+ 0.1	+ 0.8	+ 1.3	+ 1.3	+ 0.5	+ 0.2	- 0.3	- 0.2	- 0.5	- 0.6	- 0.6	- 0.3	- 0.2	0.0	+ 0.1	+ 0.2	+ 0.2	+ 0.3	+ 0.4	0.46
JUL	III	- 0.6	- 1.5	- 2.0	- 1.8	- 0.9	+ 0.4	+ 1.4	+ 1.9	+ 1.2	+ 0.5	0.0	- 0.1	- 0.2	- 0.3	- 0.3	- 0.2	0.0	+ 0.3	+ 0.4	+ 0.4	+ 0.5	+ 0.4	+ 0.3	+ 0.2	0.66
AUG	III	- 0.4	- 1.9	- 2.7	- 2.8	- 1.8	- 0.5	+ 0.7	+ 1.5	+ 1.7	+ 1.1	+ 0.6	+ 0.5	+ 0.1	0.0	- 0.2	- 0.2	- 0.1	+ 0.2	+ 0.5	+ 0.5	+ 0.6	+ 0.7	+ 0.9	+ 1.3	0.90
SEP	II	- 1.6	- 2.6	- 3.0	- 2.6	- 0.7	+ 0.7	+ 1.8	+ 2.2	+ 2.0	+ 1.2	+ 0.5	+ 0.3	+ 0.3	- 0.1	- 0.4	- 0.4	- 0.1	- 0.1	+ 0.1	+ 0.1	+ 0.5	+ 0.5	+ 1.0	+ 0.4	0.97
OCT	II	- 2.9	- 3.8	- 3.6	- 2.2	0.0	+ 1.9	+ 3.2	+ 3.6	+ 2.6	+ 1.8	+ 1.3	+ 1.1	+ 0.8	+ 0.5	- 0.1	- 0.1	+ 0.1	- 0.1	- 0.3	- 0.2	- 0.4	- 0.6	- 0.8	- 2.0	1.42
NOV	I	- 2.7	- 2.7	- 2.4	- 1.3	0.0	+ 1.4	+ 2.2	+ 2.4	+ 2.3	+ 1.9	+ 1.4	+ 1.2	+ 1.1	+ 0.8	+ 0.4	+ 0.1	- 0.1	- 0.4	- 0.3	- 0.2	- 0.6	- 0.7	- 1.5	- 2.3	1.26
DEC	I	- 2.7	- 3.2	- 2.7	- 1.4	+ 0.4	+ 2.2	+ 3.6	+ 3.5	+ 2.7	+ 2.0	+ 1.5	+ 1.2	+ 0.9	+ 0.6	+ 0.2	- 0.2	- 0.5	- 0.7	- 0.5	- 0.3	- 0.5	- 1.2	- 2.0	- 3.0	1.58
MEANS	I	- 3.2	- 3.3	- 2.7	- 1.2	+ 0.4	+ 2.0	+ 3.0	+ 3.1	+ 2.7	+ 2.0	+ 1.3	+ 1.1	+ 1.0	+ 0.7	+ 0.4	+ 0.1	- 0.2	- 0.3	- 0.3	- 0.3	- 0.6	- 1.0	- 1.8	- 2.9	1.48
	II	- 2.7	- 3.4	- 3.3	- 2.1	+ 0.2	+ 1.7	+ 2.7	+ 2.8	+ 2.2	+ 1.5	+ 1.0	+ 0.7	+ 0.5	+ 0.2	0.0	- 0.1	0.0	- 0.1	- 0.1	- 0.1	- 0.1	- 0.2	- 0.4	- 1.1	1.13
	III	- 0.4	- 1.4	- 1.9	- 1.7	- 0.8	+ 0.1	+ 0.9	+ 1.6	+ 1.5	+ 0.7	+ 0.3	0.0	- 0.1	- 0.3	- 0.3	- 0.3	- 0.1	+ 0.1	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.4	+ 0.5	0.61
	YEAR	- 2.1	- 2.7	- 2.6	- 1.7	- 0.1	+ 1.2	+ 2.2	+ 2.5	+ 2.1	+ 1.4	+ 0.9	+ 0.6	+ 0.4	+ 0.2	0.0	- 0.1	- 0.1	- 0.1	0.0	0.0	- 0.1	- 0.3	- 0.6	- 1.1	0.98

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
JAN	I	- 3.4	- 2.3	- 0.4	+ 1.9	+ 3.4	+ 4.0	+ 4.0	+ 4.4	+ 3.9	+ 2.7	+ 2.3	+ 1.4	+ 0.1	- 1.0	- 0.7	- 0.5	- 1.5	- 2.1	- 1.8	- 1.9	- 1.4	- 1.9	- 3.9	- 5.4	2.35
FEB	I	- 3.6	- 4.0	- 2.5	- 0.3	+ 2.0	+ 3.1	+ 3.9	+ 3.7	+ 3.6	+ 2.4	+ 0.9	- 0.1	+ 1.3	+ 0.7	- 0.5	- 0.7	- 0.9	- 0.8	- 0.5	- 0.8	- 0.9	- 1.1	- 2.0	- 2.8	1.79
MAR	II	- 2.2	- 2.0	- 0.9	+ 0.2	+ 1.8	+ 2.2	+ 2.8	+ 2.9	+ 2.5	+ 1.6	+ 0.4	- 0.2	- 0.7	- 1.1	- 1.4	- 1.6	- 1.4	- 1.1	- 0.5	- 0.6	+ 0.6	+ 0.7	- 0.6	- 1.4	1.31
APR	II	- 1.0	- 1.8	- 1.2	- 0.1	+ 1.0	+ 2.2	+ 2.9	+ 3.1	+ 2.3	+ 1.1	- 0.2	- 1.7	- 2.4	- 0.9	- 1.5	- 1.5	- 1.3	- 0.5	- 0.1	+ 0.6	+ 0.7	+ 0.3	- 0.2	+ 0.3	1.21
MAY	III	+ 0.4	+ 0.2	+ 0.1	- 0.4	+ 0.4	+ 1.1	+ 1.9	+ 1.8	+ 1.8	+ 0.3	- 1.4	- 1.2	- 0.9	- 1.7	- 2.6	- 2.3	- 1.0	- 1.3	- 0.2	+ 0.6	+ 1.2	+ 0.6	+ 1.3	+ 1.5	1.08
JUN	III	+ 0.5	- 0.6	- 0.9	- 0.6	+ 0.2	+ 0.5	+ 1.1	+ 1.8	+ 1.9	+ 0.2	0.0	- 0.2	- 1.2	- 1.7	- 1.4	- 1.8	- 1.2	+ 0.2	+ 0.1	+ 0.9	+ 0.3	+ 0.2	+ 0.7	+ 0.8	0.79
JUL	III	+ 0.3	- 0.1	- 0.6	- 0.5	- 0.3	+ 0.5	+ 1.2	+ 2.4	+ 2.1	+ 1.1	0.0	- 1.2	- 0.3	- 1.2	- 2.2	- 2.0	- 2.9	- 1.6	- 0.3	+ 0.5	+ 2.2	+ 0.5	+ 1.0	+ 1.2	1.09
AUG	III	+ 1.6	- 0.2	- 0.8	+ 0.2	+ 0.6	+ 2.5	+ 3.2	+ 3.0	+ 1.9	+ 1.2	- 1.1	- 0.8	- 3.1	- 2.1	- 3.1	- 5.4	- 3.0	- 0.8	+ 0.2	+ 1.1	+ 0.9	+ 2.0	+ 0.8	+ 0.9	1.69
SEP	II	- 1.2	- 2.1	- 2.3	- 1.4	+ 0.9	+ 2.9	+ 3.6	+ 3.5	+ 2.1	+ 0.6	0.0	- 2.9	- 1.4	- 1.4	- 3.1	- 1.7	- 1.1	- 0.3	- 0.2	+ 0.4	+ 0.9	+ 2.5	+ 1.8	- 0.3	1.60
OCT	II	- 0.5	- 0.9	- 1.0	- 0.1	+ 1.3	+ 2.9	+ 4.0	+ 2.3	+ 2.6	+ 0.2	- 1.5	- 1.3	- 1.1	- 2.6	- 2.6	- 2.4	0.0	0.0	+ 0.4	- 0.1	+ 1.2	+ 0.8	- 0.1	- 1.4	1.31
NOV	I	- 3.0	- 2.6	- 1.7	+ 0.1	+ 2.5	+ 4.4	+ 4.8	+ 5.3	+ 3.6	+ 2.5	+ 1.1	- 1.0	- 1.3	- 1.0	- 1.2	- 1.2	- 1.0	- 0.7	- 0.6	- 0.5	- 0.9	- 1.6	- 3.3	- 3.1	2.03
DEC	I	- 2.3	- 2.8	- 2.1	- 0.7	+ 0.8	+ 2.7	+ 4.4	+ 4.7	+ 4.4	+ 3.8	+ 1.8	+ 1.5	- 0.4	- 1.1	- 1.4	- 2.1	- 0.8	- 2.8	- 2.2	- 0.8	- 1.2	- 1.0	- 1.5	- 0.7	2.00
MEANS	I	- 3.1	- 2.9	- 1.7	+ 0.3	+ 2.2	+ 3.5	+ 4.3	+ 4.5	+ 3.9	+ 2.8	+ 1.5	+ 0.4	- 0.1	- 0.6	- 0.9	- 1.1	- 1.0	- 1.6	- 1.3	- 1.0	- 1.1	- 1.4	- 2.7	- 3.0	1.95
	II	- 1.2	- 1.7	- 1.3	- 0.3	+ 1.2	+ 2.5	+ 3.3	+ 2.9	+ 2.4	+ 0.9	- 0.3	- 1.5	- 1.4	- 1.5	- 2.1	- 1.8	- 1.0	- 0.5	- 0.1	0.0	+ 0.8	+ 1.1	+ 0.2	- 0.7	1.29
	III	+ 0.7	- 0.2	- 0.6	- 0.3	+ 0.2	+ 1.1	+ 1.8	+ 2.2	+ 1.9	+ 0.7	- 0.6	- 0.9	- 1.4	- 1.6	- 2.3	- 2.9	- 2.0	- 0.8	0.0	+ 0.8	+ 1.2	+ 0.8	+ 0.9	+ 1.1	1.14
	YEAR	- 1.2	- 1.6	- 1.2	- 0.1	+ 1.2	+ 2.4	+ 3.2	+ 3.2	+ 2.7	+ 1.5	+ 0.2	- 0.6	- 1.0	- 1.3	- 1.8	- 1.9	- 1.3	- 1.0	- 0.5	0.0	+ 0.3	+ 0.2	- 0.5	- 0.9	1.24

TABLE 404

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.23	+0.07	-0.04	-0.10	-0.10	-0.05	-0.05	-0.13	-0.07	+0.18	+0.44	+0.64	+0.70	+0.65	+0.46	+0.17	-0.03	-0.18	-0.36	-0.46	-0.45	-0.37	-0.33	-0.29	0.27
FEB	I	+0.03	+0.14	+0.27	+0.23	+0.25	+0.18	+0.05	-0.26	-0.52	-0.46	-0.06	+0.47	+0.65	+0.56	+0.36	+0.08	-0.21	-0.36	-0.42	-0.31	-0.19	-0.24	-0.18	-0.10	0.27
MAR	II	+0.04	+0.16	+0.25	+0.33	+0.51	+0.30	+0.20	-0.06	-0.31	-0.30	-0.02	+0.28	+0.41	+0.46	+0.31	+0.03	-0.19	-0.36	-0.57	-0.48	-0.42	-0.27	-0.24	-0.17	0.28
APR	II	+0.25	+0.36	+0.39	+0.53	+0.56	+0.53	+0.46	+0.38	+0.29	+0.17	+0.07	+0.11	+0.16	+0.04	-0.31	-0.53	-0.49	-0.60	-0.69	-0.66	-0.53	-0.41	-0.10	-0.02	0.36
MAY	III	-0.17	+0.11	+0.29	+0.41	+0.41	+0.42	+0.53	+0.71	+0.75	+0.66	+0.32	+0.16	-0.08	-0.26	-0.48	-0.59	-0.46	-0.41	-0.35	-0.43	-0.42	-0.40	-0.43	-0.32	0.40
JUN	III	-0.18	+0.01	+0.15	+0.21	+0.20	+0.32	+0.44	+0.59	+0.66	+0.57	+0.45	+0.38	+0.08	-0.08	-0.09	-0.29	-0.30	-0.26	-0.36	-0.48	-0.71	-0.56	-0.37	-0.33	0.34
JUL	III	-0.19	+0.02	+0.13	+0.26	+0.43	+0.44	+0.52	+0.68	+0.65	+0.49	+0.20	-0.04	-0.02	-0.29	-0.48	-0.43	-0.37	-0.31	-0.35	-0.23	-0.32	-0.34	-0.28	-0.25	0.32
AUG	III	+0.12	+0.48	+0.74	+0.84	+0.75	+0.79	+0.77	+0.74	+0.58	+0.35	+0.06	-0.23	-0.39	-0.45	-0.73	-0.56	-0.49	-0.48	-0.49	-0.45	-0.64	-0.55	-0.48	-0.20	0.52
SEP	II	+0.15	+0.48	+0.67	+0.68	+0.53	+0.45	+0.48	+0.51	+0.17	+0.03	-0.04	-0.06	-0.04	-0.11	-0.32	-0.35	-0.47	-0.60	-0.78	-0.53	-0.43	-0.42	-0.13	+0.07	0.35
OCT	II	+0.24	+0.34	+0.49	+0.39	+0.33	+0.29	+0.20	-0.01	-0.05	-0.06	+0.22	+0.38	+0.33	+0.44	+0.29	-0.03	-0.41	-0.66	-0.66	-0.69	-0.59	-0.30	-0.16	-0.24	0.32
NOV	I	-0.13	+0.09	+0.19	+0.20	+0.08	+0.01	+0.01	-0.04	+0.11	+0.21	+0.38	+0.58	+0.49	+0.48	+0.35	+0.15	-0.25	-0.38	-0.56	-0.59	-0.47	-0.42	-0.28	-0.25	0.28
DEC	I	-0.17	-0.18	-0.03	+0.14	+0.13	+0.05	+0.01	+0.03	+0.05	+0.15	+0.15	+0.20	+0.38	+0.61	+0.64	+0.53	+0.23	-0.15	-0.43	-0.40	-0.52	-0.50	-0.45	-0.51	0.28
MEANS	I	-0.12	+0.03	+0.10	+0.12	+0.09	+0.05	0.00	-0.10	-0.11	+0.02	+0.23	+0.47	+0.56	+0.58	+0.45	+0.23	-0.06	-0.27	-0.44	-0.44	-0.41	-0.38	-0.31	-0.29	0.24
	II	+0.17	+0.34	+0.45	+0.48	+0.48	+0.39	+0.34	+0.20	+0.02	-0.04	+0.06	+0.18	+0.22	+0.21	-0.01	-0.22	-0.39	-0.56	-0.68	-0.59	-0.49	-0.35	-0.16	-0.09	0.30
	III	-0.10	+0.16	+0.33	+0.43	+0.45	+0.49	+0.56	+0.68	+0.66	+0.52	+0.26	+0.07	-0.10	-0.27	-0.44	-0.47	-0.40	-0.36	-0.39	-0.40	-0.52	-0.46	-0.39	-0.28	0.38
	YEAR	-0.02	+0.17	+0.29	+0.34	+0.34	+0.31	+0.30	+0.26	+0.19	+0.17	+0.18	+0.24	+0.22	+0.17	0.00	-0.15	-0.29	-0.40	-0.50	-0.48	-0.47	-0.40	-0.29	-0.22	0.27

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.24	-0.14	-0.24	-0.20	-0.17	-0.14	-0.11	-0.25	-0.27	+0.05	+0.34	+0.39	+0.41	+0.26	+0.13	+0.08	+0.06	+0.11	+0.04	+0.02	-0.01	+0.06	+0.02	-0.12	0.16
FEB	I	-0.03	-0.04	-0.04	+0.04	+0.04	-0.01	-0.17	-0.41	-0.60	-0.49	-0.13	+0.28	+0.47	+0.55	+0.49	+0.30	+0.13	-0.01	-0.12	-0.05	-0.03	-0.08	-0.05	-0.06	0.19
MAR	II	-0.24	-0.20	-0.12	-0.03	+0.11	-0.01	-0.16	-0.31	-0.61	-0.62	-0.17	+0.32	+0.53	+0.54	+0.54	+0.32	+0.07	+0.06	+0.15	+0.17	+0.09	-0.01	-0.18	-0.29	0.24
APR	II	-0.44	-0.31	-0.17	0.00	+0.17	+0.11	+0.08	+0.06	-0.14	-0.23	-0.15	+0.02	+0.14	+0.14	+0.02	-0.05	+0.01	+0.12	+0.13	+0.13	+0.12	+0.05	+0.10	+0.07	0.12
MAY	III	-0.47	-0.25	-0.15	-0.04	+0.09	+0.17	+0.20	+0.33	+0.44	+0.42	+0.34	+0.15	+0.03	-0.07	-0.21	-0.20	-0.05	+0.07	+0.02	-0.07	-0.17	-0.16	-0.19	-0.26	0.19
JUN	III	-0.36	-0.23	-0.17	-0.09	-0.08	-0.05	+0.09	+0.26	+0.36	+0.38	+0.34	+0.24	+0.02	-0.06	-0.08	-0.10	-0.06	+0.10	+0.10	-0.05	-0.16	-0.15	-0.14	-0.08	0.16
JUL	III	-0.23	-0.11	-0.03	+0.01	+0.11	+0.22	+0.34	+0.50	+0.44	+0.27	-0.03	-0.30	-0.31	-0.28	-0.26	-0.15	-0.03	+0.07	+0.15	+0.01	-0.06	-0.09	-0.11	-0.11	0.18
AUG	III	-0.07	+0.09	+0.23	+0.35	+0.35	+0.35	+0.48	+0.47	+0.22	+0.03	-0.14	-0.36	-0.30	-0.23	-0.50	-0.36	-0.43	-0.14	+0.02	-0.01	-0.13	-0.05	0.00	+0.10	0.23
SEP	II	+0.22	+0.08	+0.24	+0.46	+0.42	+0.32	+0.21	+0.23	+0.13	+0.04	+0.09	-0.08	-0.30	-0.38	-0.43	-0.29	-0.18	-0.13	-0.15	-0.13	-0.13	-0.20	-0.17	+0.15	0.22
OCT	II	-0.14	-0.09	+0.15	+0.03	+0.03	-0.11	-0.15	-0.24	-0.26	-0.02	+0.33	+0.57	+0.63	+0.66	+0.52	+0.22	-0.09	-0.32	-0.35	-0.34	-0.23	-0.24	-0.28	-0.24	0.26
NOV	I	-0.49	-0.24	-0.09	-0.12	-0.11	-0.13	-0.04	+0.03	+0.13	+0.21	+0.26	+0.44	+0.55	+0.61	+0.56	+0.37	+0.17	-0.07	-0.19	-0.27	-0.43	-0.46	-0.40	-0.34	0.28
DEC	I	-0.45	-0.33	-0.20	-0.08	-0.02	-0.13	-0.11	-0.05	+0.06	+0.13	+0.05	+0.13	+0.42	+0.67	+0.74	+0.62	+0.20	-0.07	-0.13	-0.16	-0.24	-0.31	-0.34	-0.38	0.25
MEANS	I	-0.30	-0.19	-0.14	-0.09	-0.06	-0.10	-0.11	-0.17	-0.17	-0.02	+0.13	+0.31	+0.46	+0.52	+0.48	+0.34	+0.14	-0.01	-0.10	-0.12	-0.18	-0.20	-0.19	-0.22	0.20
	II	-0.15	-0.13	+0.02	+0.12	+0.18	+0.08	0.00	-0.06	-0.22	-0.21	+0.02	+0.21	+0.25	+0.24	+0.16	+0.05	-0.05	-0.07	-0.06	-0.04	-0.04	-0.10	-0.13	-0.08	0.11
	III	-0.28	-0.12	-0.03	+0.06	+0.12	+0.17	+0.28	+0.39	+0.36	+0.28	+0.13	-0.07	-0.14	-0.16	-0.26	-0.20	-0.14	+0.02	+0.07	-0.03	-0.13	-0.11	-0.11	-0.09	0.16
	YEAR	-0.24	-0.15	-0.05	+0.03	+0.08	+0.05	+0.06	+0.05	-0.01	+0.01	+0.09	+0.15	+0.19	+0.20	+0.13	+0.06	-0.02	-0.02	-0.03	-0.06	-0.12	-0.14	-0.14	-0.13	0.09

TABLE 404--CONCLUDED

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-16	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.27	-0.13	+0.09	+0.13	+0.06	-0.11	-0.14	-0.03	+0.16	+0.19	-0.03	-0.13	-0.15	-0.09	-0.09	-0.14	-0.13	-0.06	-0.01	+0.03	+0.09	+0.24	+0.28	+0.20	0.12
FEB	I	-0.62	-0.50	-0.11	+0.37	+0.57	+0.60	+0.43	+0.15	-0.04	-0.19	-0.18	-0.09	-0.12	-0.21	-0.21	-0.22	-0.07	-0.03	+0.20	+0.14	+0.10	+0.13	+0.06	-0.16	0.23
MAR	II	-0.51	-0.61	-0.31	+0.03	+0.20	+0.27	+0.24	+0.07	-0.06	-0.04	+0.07	+0.09	+0.04	+0.03	-0.07	-0.01	-0.16	-0.16	0.00	+0.09	+0.19	+0.25	+0.20	+0.16	0.16
APR	II	-0.41	-0.58	-0.58	-0.34	-0.02	+0.11	+0.04	-0.06	0.00	+0.04	+0.05	+0.06	+0.07	+0.05	0.00	-0.05	-0.05	+0.07	+0.13	+0.20	+0.32	+0.37	+0.32	+0.29	0.18
MAY	III	+0.35	+0.36	+0.28	-0.04	-0.07	-0.21	-0.41	-0.44	-0.27	-0.09	-0.09	-0.06	-0.14	-0.17	-0.24	-0.25	-0.20	-0.01	+0.07	+0.17	+0.23	+0.32	+0.40	+0.60	0.23
JUN	III	+0.39	+0.39	+0.41	+0.32	+0.15	-0.01	-0.14	-0.18	-0.10	-0.02	-0.04	-0.21	-0.35	-0.38	-0.44	-0.28	-0.25	-0.15	-0.08	0.00	+0.07	+0.17	+0.25	+0.45	0.22
JUL	III	+0.29	+0.16	-0.13	-0.50	-0.66	-0.56	-0.46	-0.30	-0.20	-0.09	+0.05	+0.05	+0.02	-0.01	-0.02	0.00	+0.03	+0.13	+0.15	+0.19	+0.26	+0.34	+0.56	+0.75	0.25
AUG	III	-0.14	-0.27	-0.50	-0.67	-0.57	-0.35	-0.36	-0.32	-0.21	-0.08	+0.08	+0.12	+0.08	-0.05	-0.21	-0.10	+0.06	+0.22	+0.31	+0.43	+0.45	+0.54	+0.73	+0.80	0.32
SEP	II	+0.01	-0.09	+0.03	-0.07	-0.27	-0.29	-0.28	-0.27	-0.19	-0.17	-0.12	-0.09	-0.13	-0.22	-0.37	-0.12	+0.13	+0.04	+0.23	+0.33	+0.37	+0.40	+0.50	+0.65	0.22
OCT	II	-0.30	-0.07	+0.26	+0.59	+0.65	+0.72	+0.66	+0.38	-0.06	-0.31	-0.32	-0.38	-0.31	-0.42	-0.48	-0.51	-0.30	-0.12	-0.14	-0.01	+0.06	+0.10	+0.21	+0.15	0.31
NOV	1	+0.07	+0.16	+0.32	+0.51	+0.53	+0.51	+0.41	+0.17	-0.03	-0.25	-0.36	-0.39	-0.45	-0.49	-0.44	-0.42	-0.32	-0.27	-0.01	+0.02	+0.06	+0.16	+0.28	+0.19	0.28
DEC	1	-0.16	-0.16	-0.28	-0.11	+0.31	+0.69	+0.79	+0.70	+0.27	-0.11	-0.22	-0.20	-0.28	-0.28	-0.30	-0.28	-0.28	-0.18	-0.14	+0.04	+0.04	-0.02	+0.03	+0.14	0.25
MEANS	I	-0.24	-0.16	0.00	+0.22	+0.37	+0.42	+0.37	+0.25	+0.09	-0.09	-0.20	-0.20	-0.25	-0.27	-0.26	-0.26	-0.20	-0.14	+0.01	+0.06	+0.07	+0.13	+0.16	+0.09	0.19
	II	-0.30	-0.34	-0.15	+0.05	+0.14	+0.20	+0.16	+0.03	-0.08	-0.12	-0.08	-0.08	-0.08	-0.14	-0.23	-0.17	-0.10	-0.04	+0.06	+0.15	+0.24	+0.28	+0.31	+0.32	0.16
	III	+0.22	+0.16	+0.02	-0.22	-0.29	-0.28	-0.34	-0.31	-0.20	-0.07	0.00	-0.02	-0.10	-0.15	-0.23	-0.16	-0.09	+0.05	+0.11	+0.20	+0.25	+0.34	+0.48	+0.65	0.21
	YEAR	-0.11	-0.11	-0.04	+0.02	+0.07	+0.11	+0.06	-0.01	-0.06	-0.09	-0.09	-0.10	-0.14	-0.19	-0.24	-0.20	-0.13	-0.04	+0.06	+0.14	+0.19	+0.25	+0.32	+0.35	0.13

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	+0.31	+0.97	+1.31	+1.73	+1.95	+1.79	+1.06	+0.44	-0.03	-0.19	-0.76	-1.59	-1.46	-0.78	-0.51	-0.36	-0.79	+0.24	-0.25	-0.40	-0.49	-0.49	-0.83	-0.88	0.82
FEB	I	+0.16	+0.17	+0.48	+0.80	+0.73	+0.56	+0.37	-0.01	-0.38	-0.53	-0.91	-0.57	-0.19	-0.12	-0.19	-0.18	-0.19	-0.07	-0.53	+0.14	-0.04	+0.04	-0.15	-0.49	0.33
MAR	II	-0.07	+0.03	+0.33	+0.57	+0.41	+0.30	+0.14	-0.18	-0.43	-0.75	-1.70	-0.83	-0.50	-0.39	-0.35	+0.02	+0.08	+0.38	+0.84	+0.90	+1.22	+0.23	+0.05	-0.39	0.46
APR	II	+1.38	+0.75	+0.54	+0.64	+0.38	+0.10	-0.81	-1.07	-1.25	-1.98	-2.17	-2.41	-1.82	-0.69	-0.17	+0.29	+0.73	+0.79	+0.97	+1.20	+1.37	+1.11	+1.08	+1.01	1.03
MAY	III	+1.62	+0.97	-0.29	-0.50	-0.51	-0.88	-1.22	-1.00	-0.82	-1.10	-0.82	-0.63	-0.43	-0.04	-0.36	-0.06	+0.28	+0.41	+0.80	+1.35	+0.99	+0.76	+0.69	+0.85	0.72
JUN	III	+1.16	+0.97	+0.74	+0.71	-0.07	-0.26	-0.09	-0.42	-0.51	-0.98	-0.83	-0.74	-1.12	-0.83	-0.24	-0.46	-0.09	+0.40	+0.49	+0.47	+0.29	+0.32	+0.52	+0.60	0.55
JUL	III	+0.86	+0.82	+0.51	+0.49	+0.43	-0.43	-0.80	-0.95	-0.90	-0.54	-1.02	-0.18	-0.35	-0.62	-0.07	-0.35	-0.47	-0.19	+0.24	+0.54	+0.99	+0.73	+0.60	+0.70	0.57
AUG	III	+1.68	+1.47	+1.28	+0.44	-0.37	-0.34	-1.00	-0.63	-0.88	-1.30	-1.80	-1.77	-2.03	-0.60	-0.90	-0.59	-0.13	+0.49	+0.98	+1.45	+1.41	+1.55	+0.96	+0.69	1.03
SEP	II	+0.66	+0.42	+0.16	-0.10	-0.15	-0.13	-0.04	-0.35	-0.90	-1.42	-1.30	-0.76	-0.67	-1.07	-0.50	-0.22	+0.28	+0.98	+1.18	+1.12	+0.78	+1.03	+0.52	+0.52	0.80
OCT	II	-0.02	-0.31	+0.65	+0.75	+0.15	+0.24	-0.41	-0.91	-1.46	-1.53	-1.26	-0.55	-0.44	+0.74	+0.77	-0.15	+0.78	+0.78	+0.79	+0.53	+0.44	+0.33	+0.37	-0.34	0.61
NOV	I	+0.40	+0.45	+0.62	+0.50	+0.08	+0.30	+0.08	-0.15	-0.88	-1.13	-1.21	-1.24	-0.62	-0.68	+0.19	+0.26	+0.24	+0.25	+0.61	+1.05	+0.69	+0.38	+0.13	-0.38	0.52
DEC	1	+0.60	+0.54	+0.45	+0.46	+0.34	+0.64	+0.96	+0.86	+0.68	-0.16	-1.00	-0.48	-1.14	-1.02	-0.78	-0.60	-0.13	+0.08	+0.05	-0.10	+0.01	-0.11	-0.14	-0.08	0.48
MEANS	1	+0.37	+0.53	+0.72	+0.87	+0.78	+0.82	+0.62	+0.28	-0.15	-0.50	-0.97	-0.97	-0.85	-0.65	-0.32	-0.22	-0.22	+0.12	+0.24	+0.17	+0.04	-0.04	-0.25	-0.46	0.46
	II	+0.49	+0.22	+0.42	+0.46	+0.20	+0.13	-0.28	-0.63	-1.01	-1.42	-1.61	-1.14	-0.86	-0.35	-0.06	-0.02	+0.47	+0.73	+0.94	+0.94	+0.95	+0.68	+0.50	+0.20	0.61
	III	+1.33	+1.06	+0.56	+0.28	-0.13	-0.48	-0.78	-0.75	-0.78	-0.98	-1.12	-0.83	-0.98	-0.52	-0.39	-0.36	-0.10	+0.28	+0.63	+0.95	+0.92	+0.84	+0.69	+0.71	0.69
	YEAR	+0.73	+0.60	+0.56	+0.54	+0.28	+0.16	-0.15	-0.36	-0.65	-0.97	-1.23	-0.98	-0.90	-0.51	-0.26	-0.20	+0.05	+0.38	+0.60	+0.69	+0.64	+0.49	+0.32	+0.15	0.52

TABLE 405

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	0	+4	+2	0	+1	+2	+4	+3	+2	+2	+1	0	-1	-1	-2	-2	-1	-1	-3	-4	-3	-1	-1	-1	1.7
FEB	I	+4	+5	+7	+6	+6	+6	+6	+2	-4	-7	-7	-5	-3	-3	-4	-4	-4	-3	-3	-1	+1	0	+2	+2	3.9
MAR	II	+4	+5	+6	+7	+9	+6	+6	+3	-1	-4	-5	-4	-5	-3	-4	-5	-4	-4	-6	-4	-2	0	0	+2	4.2
APR	II	+6	+7	+6	+8	+9	+9	+9	+9	+9	+6	+1	-3	-6	-10	-13	-14	-10	-8	-8	-6	-4	-3	+2	+2	7.0
MAY	III	-2	+1	+4	+6	+6	+6	+8	+11	+14	+13	+6	+1	-5	-9	-13	-13	-8	-4	-2	-4	-3	-3	-4	-3	6.2
JUN	III	-2	-1	+1	+2	+2	+4	+6	+9	+12	+11	+8	+5	-2	-5	-5	-7	-4	-2	-3	-6	-8	-6	-4	-4	5.0
JUL	III	-2	0	+1	+3	+5	+7	+8	+11	+14	+12	+6	-1	-4	-11	-15	-12	-7	-4	-3	-1	-2	-2	-1	-2	5.6
AUG	III	+3	+7	+10	+11	+10	+11	+11	+11	+12	+9	+4	-5	-11	-15	-19	-14	-9	-6	-4	-3	-5	-4	-3	0	8.3
SEP	II	+3	+7	+9	+9	+7	+6	+7	+10	+7	+5	+2	-3	-7	-11	-13	-11	-9	-8	-8	-2	-3	-2	+3	+3	6.5
OCT	II	+5	+6	+8	+6	+5	+5	+5	+4	+3	+1	+1	-1	-6	-6	-6	-6	-7	-7	-5	-4	-3	+1	+2	0	4.3
NOV	I	0	+3	+3	+3	+1	+1	+3	+2	+4	+4	+4	+3	-1	-2	-2	-2	-4	-3	-5	-5	-3	-2	0	-1	2.6
DEC	I	0	-1	0	+2	+2	+2	+2	+2	+3	+4	+1	-2	-3	0	+2	+3	+2	-2	-4	-3	-4	-3	-2	-4	2.2
MEANS	I	+1.0	+2.9	+3.0	+2.6	+2.6	+2.9	+3.7	+2.4	+1.1	+0.9	-0.3	-1.0	-2.0	-1.7	-1.5	-1.1	-1.6	-2.3	-3.7	-3.2	-2.2	-1.4	-0.4	-0.7	1.9
	II	+4.5	+6.4	+7.4	+7.6	+7.8	+6.6	+6.8	+6.5	+4.4	+1.9	-0.2	-2.8	-6.0	-7.5	-9.0	-8.9	-7.4	-6.8	-6.8	-4.2	-3.1	-1.0	+1.8	+1.7	5.3
	III	-0.9	+1.8	+3.8	+5.5	+5.9	+7.0	+8.3	+10.7	+12.7	+11.2	+6.0	0.0	-5.6	-10.2	-13.2	-11.8	-7.2	-4.0	-3.2	-3.1	-4.7	-3.6	-3.0	-2.2	6.1
	YEAR	+1.5	+3.7	+4.8	+5.2	+5.4	+5.5	+6.3	+6.5	+6.1	+4.7	+1.8	-1.3	-4.5	-6.4	-7.9	-7.2	-5.4	-4.4	-4.5	-3.5	-3.4	-2.0	-0.5	-0.4	4.3

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	-1	0	-1	-1	-1	+1	+3	+1	-1	+2	+2	-2	-4	-7	-6	-3	+1	+3	+2	+3	+2	+4	+4	+2	2.4
FEB	I	+2	+2	+1	+2	+2	+2	+3	0	-5	-7	-7	-5	-4	-2	-1	-1	+1	+2	+1	+2	+3	+2	+3	+2	2.7
MAR	II	+1	0	0	+1	+3	+2	+1	0	-4	-8	-7	-5	-4	-3	-1	-1	0	+2	+5	+6	+5	+4	+2	0	2.7
APR	II	-4	-4	-2	0	+2	+2	+3	+5	+3	0	-2	-4	-7	-8	-8	-6	-2	+3	+4	+5	+5	+4	+5	+4	3.8
MAY	III	-7	-4	-3	-2	+1	+3	+3	+6	+10	+10	+7	+2	-3	-6	-9	-8	-3	+2	+2	+1	0	0	0	-2	3.9
JUN	III	-6	-5	-4	-3	-2	-1	+2	+4	+7	+9	+6	+2	-4	-5	-5	-4	-1	+4	+4	+2	0	0	0	0	3.3
JUL	III	-4	-2	-1	-1	+1	+4	+6	+10	+11	+10	+3	-5	-9	-11	-12	-8	-1	+3	+4	+2	+1	+1	0	-1	4.7
AUG	III	0	+1	+2	+4	+4	+5	+6	+8	+8	+6	+2	-5	-8	-10	-15	-11	-9	-2	+2	+2	+1	+2	+2	+4	4.9
SEP	II	+5	+2	+3	+6	+6	+5	+3	+5	+8	+7	+6	-2	-10	-14	-14	-10	-6	-2	-1	0	+1	0	0	+5	5.0
OCT	II	0	+1	+4	+1	+1	0	0	+1	+1	+3	+4	+2	-2	-2	-3	-2	-2	-3	-2	-2	+1	+1	0	-1	1.6
NOV	I	-6	-3	-1	-3	-2	-1	+2	+5	+7	+8	+5	+3	+1	0	0	+1	+1	-1	-2	-2	-4	-4	-3	-2	2.7
DEC	I	-5	-4	-3	-1	+1	0	+2	+2	+4	+5	0	-3	-3	0	+2	+5	+3	+1	0	0	0	-2	-2	-3	2.2
MEANS	I	-2.3	-1.1	-1.2	-0.8	0.0	-0.7	+2.4	+2.2	+1.2	+1.7	0.0	-1.8	-2.8	-2.3	-1.2	+0.6	+1.4	+1.1	+0.5	+0.7	+0.3	+0.2	+0.6	-0.1	1.1
	II	+0.2	-0.2	+1.2	+2.0	+3.1	+2.4	+2.0	+2.9	+1.8	+0.5	-0.1	-2.2	-5.7	-6.9	-6.5	-4.8	-2.5	+0.1	+1.4	+2.5	+2.9	+2.2	+1.7	+2.1	2.4
	III	-4.2	-2.7	-1.4	-0.1	+1.2	+2.5	+4.4	+7.0	+9.0	+8.6	+4.6	-1.6	-5.9	-8.2	-10.1	-7.7	-3.4	+1.6	+3.0	+1.8	+0.6	+0.8	+0.3	-0.1	3.8
	YEAR	-2.1	-1.4	-0.4	+0.4	+1.5	+1.8	+2.9	+4.0	+4.0	+3.6	+1.5	-1.9	-4.8	-5.8	-6.0	-4.0	-1.5	+0.9	+1.6	+1.7	+1.3	+1.1	+0.9	+0.6	2.3

TABLE 405--CONCLUDED

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	- 1	- 1	- 2	- 5	- 8	-12	-11	- 6	+ 1	+ 3	+ 1	0	0	+ 1	+ 1	+ 1	+ 1	+ 2	+ 2	+ 3	+ 4	+ 7	+ 9	+ 9	3.8
FEB	I	- 6	- 8	- 6	- 2	- 1	0	- 3	- 4	- 2	- 2	0	+ 1	+ 1	0	0	0	+ 2	+ 2	+ 6	+ 4	+ 4	+ 5	+ 6	+ 4	2.9
MAR	II	- 3	- 7	- 8	- 8	- 9	- 8	- 7	- 6	- 3	0	+ 3	+ 4	+ 4	+ 4	+ 3	+ 4	+ 2	+ 1	+ 3	+ 4	+ 6	+ 7	+ 6	+ 7	4.8
APR	II	0	- 4	- 8	-10	-10	- 9	- 8	- 7	- 2	+ 1	+ 3	+ 4	+ 4	+ 4	+ 3	+ 2	+ 1	+ 2	+ 3	+ 4	+ 6	+ 7	+ 7	+ 8	4.9
MAY	III	+ 8	+10	+ 7	0	- 3	- 8	-12	-13	- 7	- 1	0	+ 1	0	0	- 2	- 2	- 3	- 1	0	+ 2	+ 3	+ 5	+ 6	+10	4.3
JUN	III	+ 8	+10	+ 8	+ 4	- 1	- 5	- 6	- 6	- 2	+ 1	+ 1	0	- 3	- 4	- 6	- 4	- 5	- 4	- 2	- 1	0	+ 2	+ 4	+ 8	4.0
JUL	III	+ 8	+ 8	+ 2	- 8	-14	-15	-15	-10	- 4	0	+ 3	+ 2	+ 2	+ 1	+ 1	0	0	+ 1	+ 2	+ 3	+ 5	+ 6	+10	+13	5.6
AUG	III	+ 2	+ 2	- 4	-10	-12	-12	-13	-11	- 7	- 2	+ 2	+ 3	+ 3	+ 1	- 2	0	+ 2	+ 4	+ 5	+ 7	+ 8	+ 9	+11	+13	6.0
SEP	II	+ 6	+ 5	+ 4	- 3	-11	-14	-13	-10	- 6	- 3	0	0	0	0	- 2	+ 1	+ 4	+ 2	+ 4	+ 6	+ 6	+ 6	+ 8	+12	5.3
OCT	II	+ 2	+ 3	+ 3	+ 1	- 3	- 3	- 2	- 1	- 2	- 3	- 2	- 2	- 1	- 2	- 2	- 4	- 2	0	0	+ 1	+ 2	+ 4	+ 7	+ 8	2.5
NOV	I	+ 6	+ 6	+ 5	+ 3	0	- 1	- 2	- 3	- 3	- 4	- 5	- 4	- 5	- 5	- 4	- 4	- 3	- 2	0	0	+ 2	+ 4	+ 8	+ 8	3.8
DEC	I	+ 1	+ 1	- 5	- 7	- 5	0	+ 3	+ 7	+ 4	0	- 2	- 1	- 2	- 2	- 2	- 2	- 2	- 1	- 2	+ 1	+ 1	+ 2	+ 5	+ 7	2.6
MEANS	I	0.0	- 0.4	- 1.8	- 2.7	- 3.6	- 3.4	- 3.0	- 1.6	- 0.2	- 0.8	- 1.4	- 1.1	- 1.5	- 1.5	- 1.1	- 1.1	- 0.4	+ 0.1	+ 1.7	+ 2.1	+ 2.7	+ 4.6	+ 6.9	+ 7.1	2.1
	II	+ 1.1	- 0.9	- 2.1	- 4.8	- 8.2	- 8.6	- 7.5	- 6.0	- 3.4	- 1.2	+ 0.9	+ 1.6	+ 1.8	+ 1.5	+ 0.3	+ 0.9	+ 1.2	+ 1.4	+ 2.5	+ 3.5	+ 4.9	+ 5.9	+ 6.7	+ 9.0	3.6
	III	+ 6.9	+ 7.4	+ 3.4	- 3.5	- 7.7	- 9.9	-11.5	- 9.9	- 5.0	- 0.3	+ 1.7	+ 1.4	+ 0.6	- 0.5	- 2.0	- 1.6	- 1.3	+ 0.2	+ 1.2	+ 2.6	+ 4.0	+ 5.5	+ 7.8	+10.7	4.4
	YEAR	+ 2.7	+ 2.0	- 0.2	- 3.7	- 6.5	- 7.3	- 7.4	- 5.8	- 2.8	- 0.8	+ 0.4	+ 0.6	+ 0.3	- 0.2	- 0.9	- 0.6	- 0.1	+ 0.6	+ 1.8	+ 2.8	+ 3.8	+ 5.3	+ 7.1	+ 9.0	3.0

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	+ 3	+ 9	+ 9	+12	+18	+18	+10	+ 3	0	+ 2	- 6	-17	-14	- 4	- 2	- 2	- 7	+ 8	- 2	- 6	- 6	- 7	-10	-10	7.7
FEB	I	+ 6	+ 4	+ 3	+ 1	- 1	- 2	- 4	- 5	- 7	- 6	- 9	- 2	0	+ 2	+ 2	+ 2	+ 2	+ 2	+10	+ 4	0	+ 2	0	- 5	3.4
MAR	II	+ 2	0	+ 2	+ 4	- 2	- 3	- 4	- 7	- 8	-10	-22	- 8	- 3	- 1	- 1	+ 5	+ 4	+ 8	+14	+16	+18	+ 2	+ 1	- 6	6.3
APR	II	+25	+14	+ 7	+ 5	- 2	- 7	-20	-21	-20	-28	-29	-30	-22	- 7	+ 1	+ 8	+14	+12	+14	+17	+20	+17	+18	+16	15.6
MAY	III	+27	+16	- 6	- 8	-11	-19	-25	-19	-13	-14	- 6	- 5	- 4	+ 3	- 1	+ 2	+ 4	+ 6	+10	+18	+13	+10	+ 8	+12	10.8
JUN	III	+19	+18	+14	+11	- 4	- 8	- 5	- 9	- 9	-12	-11	-10	-14	- 9	- 1	- 5	- 1	+ 5	+ 7	+ 5	+ 3	+ 4	+ 6	+ 8	8.2
JUL	III	+15	+16	+11	+ 9	+ 6	-12	-19	-21	-16	- 9	-14	+ 2	- 3	- 6	+ 4	- 2	- 3	- 3	+ 2	+ 6	+11	+11	+ 7	+ 9	8.9
AUG	III	+28	+27	+22	+ 3	-13	-15	-24	-14	-12	-15	-19	-19	-23	- 3	-10	+ 1	- 1	+ 6	+10	+16	+17	+17	+12	+ 8	14.0
SEP	II	+14	+ 9	+ 1	- 7	-13	-15	-10	-10	-13	-16	-13	+ 1	- 3	-11	+ 1	- 1	+ 5	+14	+17	+15	+ 9	+11	+ 6	+10	9.4
OCT	II	- 1	- 6	+ 8	+ 6	- 8	- 7	-15	-15	-22	-18	-12	- 1	- 1	+20	+19	+ 2	+11	+11	+10	+ 7	+ 3	+ 3	+ 6	- 3	9.0
NOV	I	+ 5	+ 4	+ 4	- 2	-12	- 8	- 8	- 7	-10	-11	-12	- 9	- 1	- 4	+ 8	+ 8	+ 5	+ 4	+10	+16	+11	+ 7	+ 5	- 6	7.4
DEC	I	+11	+10	+ 7	+ 4	- 2	+ 1	+ 6	+ 6	+ 7	- 4	-11	- 3	-10	- 7	- 5	- 3	+ 1	+ 6	+ 3	- 4	- 1	- 4	- 4	- 5	5.3
MEANS	I	+ 6.6	+ 7.0	+ 5.6	+ 3.9	+ 0.7	+ 2.0	+ 1.0	- 0.6	- 2.4	- 5.0	- 9.5	- 7.8	- 6.4	- 3.2	+ 1.0	+ 1.4	0.0	+ 5.4	+ 5.2	+ 2.6	+ 1.2	- 0.6	- 2.1	- 6.6	3.7
	II	+ 9.8	+ 4.3	+ 4.6	+ 1.7	- 6.2	- 8.2	-12.5	-13.2	-15.6	-18.0	-19.3	- 9.9	- 7.2	+ 0.3	+ 4.9	+ 3.5	+ 8.7	+11.4	+13.8	+13.8	+12.6	+ 8.2	+ 7.8	+ 4.4	9.2
	III	+22.2	+19.0	+10.2	+ 3.7	- 5.6	-13.4	-18.5	-15.9	-12.5	-12.3	-12.3	- 7.9	-10.7	- 3.7	- 1.9	- 0.9	0.0	+ 3.6	+ 7.2	+11.5	+11.1	+10.5	+ 8.3	+ 9.2	9.7
	YEAR	+12.8	+10.1	+ 6.8	+ 3.1	- 3.7	- 6.5	-10.0	- 9.9	-10.2	-11.8	-13.7	- 8.6	- 8.1	- 2.2	+ 1.3	+ 1.3	+ 2.9	+ 6.8	+ 8.7	+ 9.3	+ 8.3	+ 6.0	+ 4.7	+ 2.3	7.0

TABLE 406

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	0	+ 4	+ 2	0	0	+ 2	+ 3	+ 1	0	+ 1	0	0	0	0	0	0	0	0	- 2	- 3	- 3	- 1	- 1	- 1	1.1
FEB	I	+ 4	+ 5	+ 6	+ 5	+ 6	+ 6	+ 5	+ 1	- 6	- 9	- 8	- 5	- 2	- 2	- 2	- 2	- 2	- 3	- 2	0	+ 1	0	+ 2	+ 2	3.6
MAR	II	+ 4	+ 5	+ 6	+ 7	+ 9	+ 6	+ 6	- 3	- 2	- 5	- 6	- 5	- 4	- 3	- 3	- 4	- 3	- 4	- 6	- 4	- 2	0	0	+ 2	4.0
APR	II	+ 6	+ 6	+ 6	+ 8	+ 9	+ 9	+ 9	+ 9	+ 8	+ 5	0	- 3	- 6	- 9	-12	-13	- 9	- 8	- 8	- 6	- 4	- 3	+ 2	+ 2	6.7
MAY	III	- 2	+ 1	+ 4	+ 6	+ 6	+ 6	+ 8	+11	+14	+12	+ 5	0	- 5	- 9	-13	-12	- 7	- 4	- 2	- 4	- 4	- 3	- 4	- 4	6.1
JUN	III	- 3	- 1	+ 1	+ 2	+ 2	+ 4	+ 7	+ 9	+12	+11	+ 8	+ 5	- 2	- 5	- 5	- 7	- 4	- 2	- 3	- 6	- 8	- 6	- 4	- 4	5.1
JUL	III	- 2	0	+ 1	+ 3	+ 6	+ 7	+ 8	+11	+13	+12	+ 6	- 1	- 4	-11	-14	-11	- 6	- 4	- 3	- 1	- 2	- 2	- 2	- 2	5.6
AUG	III	+ 3	+ 7	+10	+12	+10	+11	+11	+12	+12	+ 9	+ 3	- 5	-12	-15	-18	-13	- 9	- 5	- 4	- 3	- 6	- 4	- 4	0	8.3
SEP	II	+ 3	+ 7	+10	+ 9	+ 8	+ 6	+ 7	+10	+ 6	+ 4	+ 1	- 4	- 8	-11	-12	-10	- 8	- 7	- 8	- 3	- 3	- 3	+ 2	+ 3	6.4
OCT	II	+ 5	+ 6	+ 8	+ 6	+ 5	+ 5	+ 5	+ 3	+ 2	0	0	- 2	- 6	- 5	- 4	- 4	- 6	- 6	- 5	- 5	- 3	+ 1	+ 2	- 1	4.0
NOV	I	- 1	+ 2	+ 3	+ 3	+ 1	+ 1	+ 2	+ 1	+ 3	+ 3	+ 3	+ 3	- 1	- 1	- 1	0	- 2	- 3	- 5	- 5	- 3	- 2	0	- 1	2.1
DEC	I	0	- 1	0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 3	0	- 3	- 3	+ 1	+ 3	+ 4	+ 3	- 1	- 3	- 3	- 4	- 3	- 2	- 4	2.1
MEANS	I	+ 0.8	+ 2.7	+ 2.8	+ 2.4	+ 2.4	+ 2.4	+ 2.9	+ 1.2	- 0.2	- 0.4	- 1.2	- 1.3	- 1.5	- 0.6	- 0.1	+ 0.3	- 0.4	- 1.4	- 3.2	- 2.8	- 2.0	- 1.3	- 0.5	- 0.9	1.5
	II	+ 4.3	+ 6.4	+ 7.4	+ 7.6	+ 7.8	+ 6.6	+ 6.7	+ 6.1	+ 3.6	+ 0.9	- 1.2	- 3.3	- 5.8	- 6.8	- 7.9	- 7.8	- 6.5	- 6.3	- 6.6	- 4.2	- 3.2	- 1.2	+ 1.5	+ 1.5	5.0
	III	- 1.2	+ 1.6	+ 3.9	+ 5.7	+ 6.2	+ 7.2	+ 8.6	+11.0	+12.7	+10.9	+ 5.6	- 0.4	- 5.7	- 9.9	-12.6	-11.0	- 6.6	- 3.7	- 3.2	- 3.2	- 5.0	- 4.1	- 3.6	- 2.7	6.1
	YEAR	+ 1.3	+ 3.6	+ 4.7	+ 5.2	+ 5.4	+ 5.4	+ 6.0	+ 6.1	+ 5.4	+ 3.8	+ 1.1	- 1.7	- 4.3	- 5.8	- 6.9	- 6.2	- 4.5	- 3.8	- 4.3	- 3.4	- 3.4	- 2.2	- 0.8	- 0.7	4.0

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 1	0	- 2	- 2	- 1	0	+ 2	0	- 3	0	+ 1	- 2	- 4	- 6	- 5	- 2	+ 2	+ 3	+ 3	+ 3	+ 3	+ 4	+ 4	+ 2	2.3
FEB	I	+ 2	+ 2	+ 1	+ 2	+ 2	+ 2	+ 2	- 1	- 7	- 9	- 8	- 5	- 3	- 1	0	+ 1	+ 2	+ 3	+ 1	+ 2	+ 3	+ 2	+ 3	+ 2	2.8
MAR	II	0	0	0	+ 1	+ 3	+ 2	+ 1	0	- 6	-10	- 8	- 5	- 4	- 2	0	0	+ 1	+ 3	+ 5	+ 6	+ 6	+ 4	+ 2	0	2.9
APR	II	- 5	- 4	- 2	0	+ 3	+ 2	+ 3	+ 4	+ 2	-11	- 3	- 5	- 7	- 7	- 7	- 5	- 1	+ 3	+ 4	+ 6	+ 5	+ 4	+ 5	+ 4	3.8
MAY	III	- 7	- 5	- 3	- 2	+ 1	+ 3	+ 3	+ 6	+10	+10	+ 7	+ 1	- 3	- 6	- 8	- 7	- 2	+ 2	+ 2	+ 1	0	0	- 1	- 2	3.8
JUN	III	- 6	- 5	- 4	- 2	- 1	- 1	+ 2	+ 4	+ 7	+ 8	+ 6	+ 1	- 4	- 5	- 5	- 4	0	+ 4	+ 4	+ 2	0	0	- 1	- 1	3.2
JUL	III	- 4	- 2	- 1	0	+ 2	+ 4	+ 6	+10	+11	+ 9	+ 2	- 6	-10	-11	-11	- 7	- 1	+ 3	+ 4	+ 2	+ 1	+ 1	- 1	- 1	4.6
AUG	III	- 1	+ 1	+ 2	+ 5	+ 5	+ 5	+ 6	+ 8	+ 8	+ 5	+ 1	- 6	- 8	-10	-14	-10	- 8	- 2	+ 2	+ 2	+ 1	+ 2	+ 2	+ 3	4.9
SEP	II	+ 4	+ 2	+ 3	+ 6	+ 6	+ 5	+ 3	+ 6	+ 7	+ 6	+ 4	- 3	-11	-14	-14	- 9	- 5	- 2	- 1	0	+ 1	0	0	+ 5	4.8
OCT	II	0	+ 1	+ 4	+ 1	+ 1	0	0	0	0	+ 2	+ 2	+ 1	- 1	- 2	- 1	- 1	- 1	- 2	- 2	- 1	+ 1	+ 1	0	- 1	1.2
NOV	I	- 6	- 3	- 1	- 3	- 2	- 1	+ 2	+ 4	+ 6	+ 6	+ 4	+ 2	+ 1	0	+ 1	+ 2	+ 2	0	- 1	- 2	- 4	- 4	- 3	- 2	2.5
DEC	I	- 5	- 5	- 4	- 1	0	0	+ 1	+ 2	+ 3	+ 4	0	- 4	- 3	+ 1	+ 4	+ 7	+ 4	+ 1	+ 1	+ 1	0	- 1	- 2	- 3	2.4
MEANS	I	- 2.4	- 1.3	- 1.3	- 1.0	- 0.2	+ 0.3	+ 1.6	+ 1.1	- 0.1	+ 0.4	- 1.0	- 2.1	- 2.4	- 1.4	0.0	+ 1.8	+ 2.4	+ 1.8	+ 1.0	+ 1.1	+ 0.6	+ 0.4	+ 0.6	- 0.2	1.1
	II	0.0	- 0.4	+ 1.2	+ 2.1	+ 3.2	+ 2.3	+ 1.8	+ 2.4	+ 0.9	- 0.7	- 1.3	- 2.9	- 5.6	- 6.2	- 5.4	- 3.8	- 1.6	+ 0.6	+ 1.7	+ 2.7	+ 3.0	+ 2.2	+ 1.7	+ 2.0	2.3
	III	- 4.4	- 2.8	- 1.3	+ 0.1	+ 1.4	+ 2.6	+ 4.6	+ 7.1	+ 8.8	+ 8.0	+ 4.0	- 2.2	- 6.1	- 8.1	- 9.6	- 7.0	- 2.8	+ 1.9	+ 3.2	+ 1.8	+ 0.6	+ 0.6	+ 0.1	- 0.3	3.7
	YEAR	- 2.3	- 1.5	- 0.5	+ 0.4	+ 1.5	+ 1.8	+ 2.7	+ 3.5	+ 3.2	+ 2.6	+ 0.6	- 2.4	- 4.7	- 5.2	- 5.0	- 3.0	- 0.7	+ 1.4	+ 2.0	+ 1.9	+ 1.4	+ 1.1	+ 0.8	+ 0.5	2.1

TABLE 406--CONCLUDED

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 2	- 2	- 3	- 5	- 8	-11	-10	- 5	+ 2	+ 4	+ 2	0	0	+ 1	+ 2	+ 1	+ 1	+ 2	+ 2	+ 3	+ 4	+ 7	+ 8	+ 8	3.8
FEB	I	- 8	- 9	- 7	- 3	- 1	0	- 2	- 3	- 1	- 1	0	+ 1	+ 1	0	0	0	+ 2	+ 2	+ 5	+ 4	+ 4	+ 5	+ 5	+ 2	2.8
MAR	II	- 4	- 9	- 9	- 9	- 8	- 7	- 6	- 4	- 2	+ 1	+ 3	+ 4	+ 4	+ 5	+ 3	+ 4	+ 2	+ 1	+ 3	+ 4	+ 6	+ 6	+ 6	+ 7	4.9
APR	II	- 1	- 6	- 9	-10	-10	- 8	- 7	- 6	- 2	+ 2	+ 3	+ 4	+ 4	+ 4	+ 3	+ 2	+ 1	+ 2	+ 3	+ 4	+ 6	+ 7	+ 7	+ 8	5.0
MAY	III	+ 8	+ 9	+ 7	- 1	- 3	- 8	-12	-12	- 7	- 1	0	+ 1	0	0	- 2	- 2	- 3	- 1	0	+ 2	+ 3	+ 5	+ 6	+10	4.3
JUN	III	+ 8	+10	+ 8	+ 3	- 1	- 5	- 6	- 5	- 1	+ 2	+ 2	- 1	- 3	- 4	- 6	- 4	- 5	- 4	- 2	- 1	+ 1	+ 3	+ 4	+ 8	4.0
JUL	III	+ 8	+ 7	+ 1	- 9	-14	-15	-14	-10	- 3	0	+ 3	+ 2	+ 2	+ 1	+ 1	0	0	+ 1	+ 2	+ 3	+ 5	+ 6	+10	+13	5.5
AUG	III	+ 2	+ 1	- 5	-11	-13	-12	-13	-10	- 6	- 1	+ 2	+ 3	+ 3	+ 1	- 2	0	+ 2	+ 4	+ 5	+ 8	+ 8	+ 9	+12	+13	6.1
SEP	II	+ 5	+ 4	+ 3	- 4	-11	-14	-12	- 9	- 5	- 2	0	0	0	- 1	- 3	+ 1	+ 4	+ 2	+ 4	+ 6	+ 6	+ 6	+ 8	+13	5.1
OCT	II	0	+ 2	+ 2	0	- 3	- 3	- 1	0	- 1	- 2	- 1	- 2	- 1	- 2	- 2	- 4	- 2	0	0	+ 1	+ 2	+ 3	+ 6	+ 7	2.0
NOV	I	+ 5	+ 5	+ 4	+ 3	0	- 1	- 1	- 2	- 2	- 4	- 4	- 4	- 4	- 5	- 4	- 4	- 3	- 3	0	0	+ 2	+ 4	+ 8	+ 8	3.3
DEC	I	0	- 1	- 6	- 7	- 5	+ 1	+ 4	+ 8	+ 5	0	- 1	0	- 2	- 1	- 2	- 2	- 2	- 2	- 2	+ 1	+ 1	+ 2	+ 4	+ 6	2.7
MEANS	I	- 1.3	- 1.6	- 2.8	- 3.2	- 3.5	- 2.6	- 1.9	- 0.3	+ 0.9	0.0	- 0.8	- 0.7	- 1.1	- 1.2	- 0.9	- 1.1	- 0.4	- 0.1	+ 1.6	+ 2.0	+ 2.5	+ 4.2	+ 6.2	+ 6.0	2.0
	II	+ 0.1	- 2.2	- 3.4	- 5.6	- 8.2	- 7.9	- 6.5	- 4.8	- 2.5	- 0.6	+ 1.3	+ 1.8	+ 2.0	+ 1.6	+ 0.3	+ 0.8	+ 1.2	+ 1.4	+ 2.5	+ 3.5	+ 4.8	+ 5.8	+ 6.6	+ 8.6	3.5
	III	+ 6.8	+ 6.8	+ 2.7	- 4.2	- 8.0	- 9.9	-11.1	- 9.3	- 4.4	0.0	+ 1.8	+ 1.4	+ 0.5	- 0.6	- 2.2	- 1.7	- 1.3	+ 0.2	+ 1.3	+ 2.8	+ 4.1	+ 5.7	+ 7.9	+11.0	4.4
	YEAR	+ 1.9	+ 1.0	- 1.2	- 4.3	- 6.5	- 6.8	- 6.5	- 4.8	- 2.0	- 0.2	+ 0.8	+ 0.9	+ 0.5	- 0.1	- 0.9	- 0.6	- 0.2	+ 0.5	+ 1.8	+ 2.8	+ 3.8	+ 5.2	+ 6.9	+ 8.5	2.9

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	+ 8	+ 9	+13	+19	+20	+11	+ 5	+ 2	+ 3	- 5	-17	-14	- 4	- 2	- 2	- 8	+ 8	- 2	- 7	- 6	- 8	-11	-13	8.3
FEB	I	+ 5	+ 3	+ 2	+ 1	0	- 1	- 2	- 4	- 5	- 5	- 9	- 2	0	+ 2	+ 2	+ 1	+ 1	+ 2	+10	+ 3	0	+ 1	- 1	- 6	2.9
MAR	II	+ 1	- 1	+ 1	+ 4	- 1	- 2	- 3	- 6	- 7	-10	-22	- 9	- 3	- 2	- 1	+ 4	+ 4	+ 8	+14	+16	+18	+ 2	+ 1	- 6	6.0
APR	II	+24	+14	+ 7	+ 5	- 2	- 7	-19	-20	-19	-28	-30	-31	-22	- 8	0	+ 7	+14	+12	+14	+17	+20	+17	+18	+16	15.4
MAY	III	+27	+16	- 6	- 8	-11	-18	-25	-18	-12	-14	- 6	- 6	- 4	+ 3	- 2	+ 1	+ 4	+ 6	+10	+19	+13	+11	+ 9	+12	10.8
JUN	III	+19	+18	+13	+11	- 4	- 7	- 5	- 9	- 8	-12	-11	-10	-14	-10	- 2	- 5	- 1	+ 5	+ 7	+ 5	+ 4	+ 4	+ 7	+ 8	8.3
JUL	III	+16	+16	+10	+ 9	+ 6	-12	-19	-20	-15	- 8	-14	+ 2	- 3	- 6	+ 4	- 2	- 4	- 4	+ 2	+ 6	+12	+11	+ 7	+10	9.0
AUG	III	+28	+26	+22	+ 4	-13	-14	-23	-13	-11	-14	-19	-19	-24	- 4	-11	- 2	- 2	+ 6	+10	+17	+17	+18	+12	+ 9	14.1
SEP	II	+13	+ 8	0	- 8	-13	-14	- 9	- 9	-12	-16	-13	0	- 4	-11	0	- 2	+ 5	+14	+17	+15	+10	+12	+ 7	+10	9.2
OCT	II	- 1	- 6	+ 8	+ 6	- 7	- 6	-14	-14	-21	-18	-13	- 2	- 2	+19	+18	+ 1	+11	+11	+10	+ 7	+ 4	+ 4	+ 6	- 3	8.8
NOV	I	+ 4	+ 3	+ 3	- 2	-11	- 6	- 6	- 5	- 9	-10	-12	- 9	- 1	- 4	+ 8	+ 8	+ 5	+ 4	+ 9	+16	+11	+ 7	+ 4	- 7	6.8
DEC	I	+10	+ 9	+ 6	+ 4	- 2	+ 2	+ 7	+ 8	+ 9	- 3	-10	- 3	-10	- 8	- 6	- 4	+ 1	+ 5	+ 2	- 4	- 2	- 4	- 5	- 5	5.3
MEANS	I	+ 5.4	+ 5.9	+ 5.0	+ 4.0	+ 1.6	+ 3.4	+ 2.7	+ 1.1	- 1.0	- 3.9	- 8.9	- 7.6	- 6.4	- 3.4	+ 0.6	+ 0.9	- 0.4	+ 4.7	+ 4.7	+ 2.2	+ 0.7	- 1.2	- 3.2	- 7.8	3.6
	II	+ 9.3	+ 3.6	+ 4.1	+ 1.6	- 5.7	- 7.2	-11.2	-12.1	-14.7	-17.7	-19.4	-10.5	- 7.8	- 0.3	+ 4.0	+ 2.8	+ 8.3	+11.2	+13.8	+13.8	+12.9	+ 8.6	+ 7.9	+ 4.2	8.9
	III	+22.4	+19.0	+10.0	+ 3.6	- 5.5	-13.0	-17.8	-15.0	-11.7	-12.0	-12.5	- 8.3	-11.2	- 4.4	- 2.8	- 2.0	- 0.8	+ 3.2	+ 7.2	+11.8	+11.5	+10.8	+ 8.7	+ 9.6	9.8
	YEAR	+12.4	+ 9.5	+ 6.4	+ 3.1	- 3.2	- 5.6	- 8.8	- 8.7	- 9.1	-11.2	-13.6	- 8.8	- 8.5	- 2.7	+ 0.6	+ 0.5	+ 2.4	+ 6.4	+ 8.5	+ 9.2	+ 8.4	+ 6.1	+ 4.5	+ 2.0	6.7

TABLE 407

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 4	- 5	- 5	- 6	- 6	-10	-18	-27	-29	-27	-17	- 2	+12	+22	+27	+26	+21	+16	+12	+ 9	+ 6	+ 3	+ 2	- 1	13.0
FEB	I	- 2	- 3	- 4	- 4	- 5	- 9	-16	-26	-30	-28	-17	- 1	+14	+22	+27	+26	+22	+14	+ 8	+ 4	+ 4	+ 2	0	- 1	12.1
MAR	II	- 4	- 4	- 5	- 4	- 2	- 3	- 8	-16	-21	-22	-16	- 5	+ 8	+16	+21	+21	+18	+14	+ 9	+ 6	+ 2	0	- 1	- 4	9.6
APR	II	- 2	- 3	0	+ 2	+ 1	0	- 2	- 6	-14	-19	-17	- 9	+ 4	+13	+19	+20	+16	+10	+ 4	- 1	- 2	- 3	- 6	- 4	7.4
MAY	III	- 4	- 3	- 1	0	+ 2	+ 2	+ 3	+ 4	- 2	- 7	- 8	- 6	+ 1	+ 6	+13	+15	+13	+ 4	0	- 2	- 4	- 7	- 9	- 8	5.2
JUN	III	- 5	- 1	+ 1	+ 2	+ 2	+ 2	+ 4	+ 3	+ 1	- 3	- 7	- 4	0	+ 3	+ 8	+11	+ 9	+ 3	- 1	- 1	- 5	- 7	- 7	- 8	4.1
JUL	III	- 7	- 2	+ 1	+ 3	+ 7	+ 4	+ 4	+ 5	- 2	- 8	-12	-10	- 3	+ 5	+12	+14	+11	+ 6	+ 2	- 2	- 3	- 7	-10	- 8	6.1
AUG	III	- 7	- 2	+ 2	+ 4	+ 6	+ 7	+ 6	+ 8	+ 1	- 7	-13	-11	- 3	+ 8	+15	+17	+14	+ 7	- 1	- 3	- 8	-10	-13	-14	7.8
SEP	II	- 4	- 1	+ 1	+ 6	+ 5	+ 7	+ 8	+ 1	- 7	-14	-17	-15	- 3	+ 9	+16	+19	+16	+ 9	- 1	- 8	- 3	- 6	-10	- 5	8.0
OCT	II	- 1	- 2	+ 1	0	+ 1	0	- 4	-11	-16	-19	-17	- 9	+ 5	+18	+26	+25	+20	+10	+ 3	- 2	- 5	- 7	- 8	- 6	9.1
NOV	I	- 3	- 2	- 2	- 1	- 3	- 7	-13	-17	-20	-20	-16	- 7	+ 6	+17	+24	+25	+20	+14	+10	+ 6	+ 2	- 1	- 5	- 5	10.3
DEC	I	- 6	- 8	- 5	- 2	- 5	- 8	-13	-15	-20	-22	-17	- 6	+ 5	+16	+24	+26	+23	+18	+13	+10	+ 4	0	- 4	- 7	11.4
MEANS	I	- 3.5	- 4.3	- 4.1	- 3.0	- 4.7	- 8.6	-15.2	-21.4	-24.4	-24.0	-16.7	- 4.2	+ 9.0	+19.5	+25.7	+25.8	+21.4	+15.4	+10.6	+ 7.1	+ 4.2	+ 1.1	- 1.9	- 3.4	11.6
	II	- 3.0	- 2.7	- 0.7	+ 0.8	+ 1.2	+ 1.2	- 1.7	- 8.0	-14.6	-18.6	-17.0	- 9.5	+ 3.1	+13.9	+20.5	+21.4	+17.7	+10.6	+ 3.8	- 1.3	- 2.0	- 4.0	- 6.2	- 5.0	7.9
	III	- 5.9	- 2.0	+ 0.8	+ 2.5	+ 4.2	+ 3.7	+ 4.2	+ 4.6	- 0.4	- 6.2	- 9.8	- 7.9	- 1.2	+ 5.4	+11.8	+14.4	+11.6	+ 5.0	- 0.3	- 2.1	- 4.9	- 8.0	- 9.7	- 9.7	5.7
	YEAR	- 4.1	- 3.0	- 1.4	+ 0.1	+ 0.2	- 1.2	- 4.2	- 8.3	-13.2	-16.3	-14.5	- 7.2	+ 3.6	+12.9	+19.3	+20.6	+16.9	+10.4	+ 4.7	+ 1.2	- 0.9	- 3.6	- 5.9	- 6.0	7.5

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	- 1	- 3	- 3	- 4	- 9	-16	-25	-28	-27	-19	- 6	+ 8	+19	+24	+24	+18	+13	+10	+ 8	+ 7	+ 6	+ 4	+ 1	11.8
FEB	I	- 1	- 3	- 4	- 3	- 5	- 8	-15	-26	-28	-26	-17	- 1	+12	+19	+24	+23	+19	+12	+ 8	+ 6	+ 5	+ 4	+ 2	0	11.3
MAR	II	- 5	- 3	- 3	- 3	- 2	- 5	-10	-17	-24	-26	-20	- 6	+ 8	+17	+22	+22	+18	+12	+10	+ 8	+ 5	+ 3	+ 1	- 2	10.4
APR	II	- 4	- 3	0	+ 2	+ 3	+ 1	- 3	- 9	-18	-22	-21	-11	+ 4	+12	+18	+18	+14	+ 9	+ 6	+ 3	+ 1	0	- 1	0	7.6
MAY	III	- 3	- 1	0	0	+ 2	0	0	+ 1	- 5	- 9	-11	- 9	- 1	+ 4	+ 9	+13	+12	+ 6	+ 3	+ 2	0	- 2	- 4	- 4	4.2
JUN	III	- 3	- 1	- 1	+ 3	+ 2	+ 2	+ 1	+ 2	- 1	- 5	- 8	- 5	0	+ 3	+ 8	+10	+ 8	+ 2	0	- 2	- 2	- 5	- 4	- 4	3.4
JUL	III	- 2	+ 2	+ 3	+ 5	+ 6	+ 5	+ 4	0	- 6	-13	-16	-14	- 4	+ 5	+12	+14	+10	+ 4	0	- 1	- 3	- 4	- 3	- 3	5.8
AUG	III	- 6	- 1	+ 3	+ 3	+ 4	+ 4	+ 6	+ 5	- 1	-10	-16	-18	- 9	+ 2	+ 9	+14	+12	+ 8	+ 5	+ 2	- 3	- 3	- 4	- 4	6.3
SEP	II	- 2	- 1	+ 2	+ 6	+ 6	+ 4	+ 6	+ 2	-10	-19	-22	-19	- 6	+ 5	+13	+16	+14	+ 8	+ 3	0	0	- 2	- 3	- 3	7.2
OCT	II	- 1	- 3	- 2	- 1	- 2	- 3	- 4	-12	-19	-24	-22	-12	+ 2	+14	+22	+24	+18	+11	+ 8	+ 5	+ 2	+ 1	0	0	8.8
NOV	I	- 2	- 3	- 2	+ 2	- 1	- 4	-10	-16	-20	-23	-20	-14	- 1	+10	+18	+20	+17	+13	+11	+ 8	+ 8	+ 5	+ 3	0	9.7
DEC	I	- 7	- 6	- 4	- 4	- 5	-10	-16	-19	-21	-22	-17	- 6	+ 6	+19	+27	+27	+20	+15	+11	+ 9	+ 4	+ 3	- 1	- 4	11.8
MEANS	I	- 2.5	- 3.2	- 2.9	- 2.0	- 3.7	- 8.0	-14.1	-21.6	-24.5	-24.5	-18.2	- 6.5	+ 6.4	+16.9	+23.3	+23.4	+18.4	+13.5	+10.1	+ 7.9	+ 5.9	+ 4.5	+ 1.8	- 0.5	11.0
	II	- 3.0	- 2.4	- 0.6	+ 1.2	+ 1.6	- 0.6	- 3.0	- 8.8	-17.8	-22.8	-21.0	-12.1	+ 2.0	+12.0	+19.0	+19.6	+15.9	+10.2	+ 6.4	+ 3.8	+ 2.0	+ 0.5	- 0.7	- 1.2	7.8
	III	- 3.4	- 0.4	+ 1.4	+ 2.7	+ 3.6	+ 2.9	+ 2.8	+ 1.9	- 3.3	- 9.5	-12.7	-11.2	- 3.7	+ 3.3	+ 9.6	+12.6	+10.3	+ 4.8	+ 2.0	0.0	- 1.9	- 3.6	- 3.8	- 3.8	4.8
	YEAR	- 3.0	- 2.0	- 0.7	+ 0.6	+ 0.5	- 1.9	- 4.8	- 9.5	-15.2	-18.9	-17.3	- 9.9	+ 1.6	+10.8	+17.3	+18.5	+14.9	+ 9.5	+ 6.2	+ 3.9	+ 2.0	+ 0.4	- 0.9	- 1.9	7.2

TABLE 407--CONCLUDED

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-26	-27	-20	- 8	+ 4	+16	+23	+24	+20	+15	+10	+ 7	+ 7	+ 6	+ 5	+ 2	- 2	- 1	- 1	- 2	- 5	-10	-14	-23	11.6
FEB	I	-26	-26	-20	- 6	+ 6	+15	+23	+24	+21	+14	+ 7	+ 6	+ 6	+ 5	+ 3	+ 1	0	- 1	- 2	- 2	- 4	- 7	-13	-23	10.8
MAR	II	-26	-28	-23	-10	+ 7	+15	+21	+22	+18	+13	+10	+ 7	+ 5	+ 3	+ 2	+ 1	0	- 2	- 2	- 2	- 4	- 6	- 8	-12	10.4
APR	II	-19	-24	-24	-15	+ 4	+16	+21	+19	+14	+ 8	+ 6	+ 3	+ 2	0	0	0	0	0	+ 1	0	+ 1	0	- 4	- 8	7.9
MAY	III	- 4	-10	-12	-10	- 3	+ 2	+ 7	+12	+13	+ 6	+ 2	0	- 1	- 2	- 2	- 2	- 1	+ 1	+ 1	+ 1	0	0	- 1	+ 1	4.0
JUN	III	0	- 5	- 9	- 6	- 1	+ 1	+ 6	+10	+ 9	+ 4	+ 1	- 2	- 1	- 3	- 4	- 4	- 2	- 1	0	+ 1	+ 1	+ 2	+ 2	+ 3	3.2
JUL	III	- 5	-11	-14	-13	- 6	+ 3	+11	+14	+ 9	+ 3	0	- 1	- 2	- 2	- 2	- 2	0	+ 2	+ 3	+ 3	+ 3	+ 2	+ 2	+ 1	4.8
AUG	III	- 3	-14	-20	-20	-12	- 3	+ 6	+12	+13	+ 8	+ 4	+ 3	0	0	- 2	- 2	- 1	+ 1	+ 3	+ 3	+ 4	+ 4	+ 6	+ 8	6.3
SEP	II	-12	-19	-22	-18	- 5	+ 6	+14	+17	+15	+ 9	+ 4	+ 2	+ 2	- 1	- 2	- 3	- 1	- 1	0	+ 1	+ 3	+ 3	+ 7	+ 2	7.0
OCT	II	-21	-27	-26	-16	0	+14	+23	+26	+19	+13	+10	+ 8	+ 6	+ 4	- 1	0	0	0	- 2	- 1	- 3	- 4	- 6	-15	10.3
NOV	I	-20	-20	-17	- 9	0	+10	+16	+18	+16	+14	+10	+ 9	+ 8	+ 6	+ 3	+ 1	- 1	- 3	- 2	- 2	- 4	- 6	-11	-17	9.2
DEC	I	-20	-23	-19	-10	+ 3	+16	+26	+25	+19	+15	+11	+ 9	+ 7	+ 5	+ 2	- 1	- 4	- 5	- 4	- 2	- 4	- 9	-15	-22	11.4
MEANS	I	-22.7	-23.9	-19.1	- 8.5	+ 3.2	+14.2	+21.8	+22.5	+19.1	+14.2	+ 9.6	+ 7.8	+ 7.0	+ 5.3	+ 3.1	+ 0.8	- 1.5	- 2.5	- 2.3	- 1.9	- 4.2	- 7.6	-13.4	-21.1	10.7
	II	-19.4	-24.5	-23.8	-14.8	+ 1.7	+12.5	+19.7	+20.8	+16.2	+11.0	+ 7.2	+ 5.1	+ 3.6	+ 1.7	- 0.2	- 0.8	- 0.2	- 0.8	- 0.6	- 0.7	- 0.7	- 1.9	- 3.0	- 8.3	8.3
	III	- 3.0	-10.1	-13.6	-12.3	- 5.6	+ 1.0	+ 7.4	+11.9	+11.1	+ 5.3	+ 2.0	+ 0.2	- 0.8	- 1.8	- 2.3	- 2.3	- 1.0	+ 0.8	+ 1.8	+ 2.0	+ 2.1	+ 2.0	+ 2.2	+ 3.3	4.4
	YEAR	-15.0	-19.5	-18.8	-11.9	- 0.2	+ 9.2	+16.3	+18.4	+15.5	+10.2	+ 6.3	+ 4.4	+ 3.3	+ 1.7	+ 0.2	- 0.7	- 0.9	- 0.8	- 0.4	- 0.2	- 1.0	- 2.5	- 4.7	- 8.7	7.1

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-25	-17	- 3	+13	+23	+28	+28	+32	+28	+20	+17	+11	+ 1	- 7	- 5	- 4	-10	-16	-13	-13	-10	-14	-28	-38	16.7
FEB	I	-26	-29	-18	- 2	+14	+22	+28	+27	+26	+18	+ 7	- 1	+ 9	+ 5	- 3	- 5	- 7	- 6	- 4	- 6	- 6	- 8	-14	-20	13.0
MAR	II	-16	-14	- 6	+ 2	+13	+16	+20	+21	+18	+12	+ 4	- 1	- 5	- 8	-10	-12	-10	- 8	- 4	- 5	+ 3	+ 5	- 4	-10	9.5
APR	II	- 8	-14	- 9	- 1	+ 7	+16	+22	+23	+18	+10	0	-10	-16	- 6	-11	-11	-10	- 4	- 2	+ 3	+ 4	+ 2	- 3	+ 1	8.9
MAY	III	+ 2	0	+ 1	- 3	+ 4	+ 9	+15	+14	+13	+ 3	-10	- 8	- 6	-12	-18	-17	- 8	-10	- 2	+ 4	+ 8	+ 3	+ 9	+10	7.8
JUN	III	+ 3	- 5	- 7	- 5	+ 2	+ 4	+ 8	+14	+14	+ 2	+ 1	- 1	- 8	-11	-10	-13	- 8	+ 1	+ 1	+ 6	+ 2	+ 1	+ 5	+ 5	5.7
JUL	III	+ 2	- 2	- 5	- 4	- 2	+ 4	+10	+18	+16	+ 9	+ 1	- 9	- 2	- 8	-16	-14	-21	-11	- 2	+ 4	+15	+ 3	+ 7	+ 8	8.0
AUG	III	+10	- 3	- 7	+ 1	+ 5	+19	+24	+23	+15	+10	- 7	- 5	-21	-15	-22	-29	-21	- 6	+ 1	+ 7	+ 6	+14	+ 5	+ 6	12.1
SEP	II	- 9	-15	-16	- 9	+ 7	+22	+26	+25	+16	+ 5	+ 1	-21	-10	-10	-22	-12	- 8	- 3	- 2	+ 2	+ 6	+18	+13	- 2	11.7
OCT	II	- 4	- 6	- 7	- 1	+10	+22	+30	+17	+20	+ 3	-10	- 9	- 8	-19	-20	-18	- 1	- 1	+ 2	- 1	+ 8	+ 6	- 1	-10	9.7
NOV	I	-22	-19	-12	+ 1	+19	+32	+35	+39	+26	+19	+ 8	- 6	- 9	- 7	- 9	- 9	- 7	- 5	- 5	- 4	- 7	-12	-24	-22	14.9
DEC	I	-17	-21	-16	- 6	+ 6	+19	+31	+33	+31	+27	+14	+11	- 2	- 8	-10	-15	- 6	-20	-16	- 6	- 9	- 7	-10	- 5	14.4
MEANS	I	-22.4	-21.4	-12.3	+ 1.6	+15.5	+25.2	+30.6	+32.6	+27.9	+20.8	+11.5	+ 3.6	- 0.3	- 4.3	- 6.7	- 8.1	- 7.6	-11.6	- 9.5	- 7.2	- 8.1	-10.0	-19.0	-21.3	14.1
	II	- 9.3	-12.5	- 9.8	- 2.4	+ 9.3	+18.8	+24.6	+21.8	+18.0	+ 7.4	- 1.1	-10.5	- 9.7	-10.8	-15.7	-13.4	- 7.4	- 4.1	- 1.4	- 0.4	+ 5.4	+ 7.3	+ 1.1	- 5.4	9.5
	III	+ 3.9	- 2.3	- 4.5	- 2.7	+ 2.1	+ 8.8	+14.2	+17.0	+14.5	+ 6.0	- 3.7	- 5.8	- 9.2	-11.7	-16.7	-20.6	-14.5	- 6.3	- 0.4	+ 5.2	+ 7.7	+ 5.3	+ 6.3	+ 7.5	8.2
	YEAR	- 9.3	-12.0	- 8.9	- 1.2	+ 9.0	+17.6	+23.2	+23.8	+20.1	+11.4	+ 2.2	- 4.2	- 6.4	- 8.9	-13.0	-14.0	- 9.8	- 7.3	- 3.8	- 0.8	+ 1.7	+ 0.9	- 3.9	- 6.4	9.2

TABLE 408

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 9	- 6	- 6	- 4	- 5	- 6	-10	-11	- 6	+ 2	+16	+25	+29	+28	+21	+10	0	- 5	- 8	-11	-11	-11	-11	-10	10.9
FEB	I	- 7	- 5	- 3	- 3	- 3	- 6	-11	-15	-12	- 3	+13	+28	+31	+28	+22	+11	0	- 7	-10	-10	- 9	-10	-10	- 8	11.1
MAR	II	- 7	- 5	- 3	- 2	0	- 1	- 5	- 9	-11	- 4	+ 9	+20	+26	+25	+20	+11	+ 2	- 5	- 9	-10	-12	-11	-10	-10	9.4
APR	II	- 2	0	+ 1	+ 3	+ 2	+ 1	- 1	- 4	- 7	- 6	+ 1	+10	+19	+21	+15	+ 9	+ 1	- 6	-10	-13	-12	-10	- 8	- 6	7.1
MAY	III	- 2	+ 1	+ 3	+ 4	+ 4	+ 3	+ 4	+ 4	0	- 1	0	+ 5	+ 8	+10	+ 9	+ 5	- 1	- 7	- 9	- 9	- 9	-10	- 9	- 6	5.2
JUN	III	- 1	+ 2	+ 3	+ 4	+ 3	+ 3	+ 4	+ 4	+ 2	0	0	+ 4	+ 6	+ 7	+ 8	+ 4	- 2	- 5	- 7	- 7	-10	- 9	- 6	- 5	4.5
JUL	III	- 3	+ 2	+ 3	+ 4	+ 5	+ 3	+ 3	+ 3	- 3	- 6	- 5	0	+ 8	+13	+13	+ 9	0	- 4	- 6	- 7	- 8	- 9	- 8	- 6	5.5
AUG	III	- 1	+ 4	+ 8	+ 8	+ 8	+ 8	+ 7	+ 5	- 2	- 6	- 5	+ 1	+ 8	+14	+12	+ 8	0	- 7	-11	-12	-14	-13	-12	- 9	7.6
SEP	II	- 1	+ 3	+ 6	+ 8	+ 5	+ 6	+ 4	- 1	- 8	- 9	- 5	+ 4	+14	+19	+16	+10	+ 1	- 7	-14	-15	-10	-11	-10	- 4	8.0
OCT	II	- 1	0	+ 3	+ 2	+ 2	0	- 3	- 8	- 8	- 4	+ 7	+17	+25	+29	+23	+10	- 2	-11	-14	-17	-16	-14	-11	- 8	9.8
NOV	I	- 4	- 2	+ 1	+ 2	0	- 2	- 5	- 5	- 3	0	+ 6	+16	+21	+23	+18	+10	- 2	- 8	-10	-12	-12	-12	-11	- 8	8.1
DEC	I	- 7	- 6	- 2	+ 2	0	- 3	- 4	- 4	- 5	- 3	+ 3	+12	+21	+24	+22	+15	+ 6	- 2	- 8	- 9	-12	-13	-13	-12	8.7
MEANS	I	- 6.7	- 4.8	- 2.6	- 0.9	- 2.0	- 4.2	- 7.6	- 8.9	- 6.5	- 1.2	+ 9.5	+20.4	+25.7	+25.6	+20.8	+11.3	+ 0.8	- 5.6	- 9.2	-10.4	-11.0	-11.7	-11.2	- 9.7	9.5
	II	- 2.8	- 0.6	+ 1.8	+ 2.8	+ 2.4	+ 1.5	- 1.3	- 5.6	- 8.3	- 5.4	+ 2.9	+12.6	+20.9	+23.5	+18.6	+10.1	+ 0.6	- 7.2	-11.8	-13.9	-12.6	-11.5	- 9.9	- 7.0	8.2
	III	- 2.0	+ 2.2	+ 4.4	+ 5.0	+ 5.0	+ 4.4	+ 4.4	+ 3.9	- 0.9	- 3.4	- 2.6	+ 2.5	+ 7.8	+10.8	+10.5	+ 6.6	- 0.7	- 5.7	- 8.4	- 8.8	-10.3	-10.2	- 8.7	- 6.2	5.6
	YEAR	- 3.8	- 1.1	+ 1.2	+ 2.3	+ 1.8	+ 0.6	- 1.5	- 3.5	- 5.2	- 3.3	+ 3.2	+11.8	+18.1	+20.0	+16.6	+ 9.3	+ 0.2	- 6.2	- 9.8	-11.0	-11.3	-11.1	-10.0	- 7.6	7.1

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 7	- 6	- 7	- 5	- 5	- 8	-11	-12	- 8	- 1	+10	+19	+25	+24	+18	+10	+ 1	- 2	- 4	- 4	- 5	- 6	- 7	- 9	8.8
FEB	I	- 6	- 6	- 5	- 3	- 3	- 6	-12	-16	-12	- 3	+10	+21	+26	+25	+22	+13	+ 2	- 4	- 6	- 6	- 7	- 8	- 8	- 8	9.9
MAR	II	-10	- 8	- 6	- 4	- 2	- 5	- 9	-13	-14	- 7	+ 9	+23	+29	+28	+23	+14	+ 4	- 2	- 4	- 6	- 8	- 9	-11	-12	10.8
APR	II	- 8	- 5	- 2	0	+ 1	0	- 4	- 7	-11	- 9	- 2	+ 9	+20	+22	+17	+10	+ 4	- 2	- 4	- 6	- 6	- 7	- 7	- 5	6.9
MAY	III	- 4	0	+ 1	+ 1	+ 2	+ 1	+ 1	0	- 4	- 5	- 2	+ 2	+ 7	+10	+11	+ 9	+ 4	- 1	- 4	- 4	- 7	- 6	- 7	- 6	4.1
JUN	III	- 1	+ 1	+ 1	+ 2	0	0	0	+ 1	- 2	- 3	0	+ 6	+ 8	+ 9	+ 8	+ 5	- 1	- 4	- 5	- 6	- 7	- 6	- 4	- 2	3.4
JUL	III	- 2	+ 1	+ 2	+ 1	+ 2	+ 1	0	- 1	- 6	-10	- 7	- 2	+ 7	+13	+14	+10	+ 1	- 4	- 4	- 4	- 5	- 5	- 3	- 2	4.5
AUG	III	- 2	+ 2	+ 4	+ 4	+ 4	+ 4	+ 5	+ 1	- 7	-11	-10	- 4	+ 5	+12	+12	+ 9	+ 2	- 2	- 2	- 5	- 8	- 6	- 5	- 4	5.4
SEP	II	- 1	0	+ 3	+ 6	+ 5	+ 3	+ 2	- 2	-11	-13	- 8	+ 1	+10	+15	+14	+10	+ 4	- 1	- 4	- 6	- 6	- 7	- 8	- 5	6.0
OCT	II	- 6	- 5	- 2	- 1	- 2	- 5	- 7	-11	-13	- 7	+ 5	+18	+27	+31	+26	+14	+ 1	- 6	- 9	-10	-10	-10	-10	- 8	10.2
NOV	I	- 7	- 4	- 1	+ 2	0	- 4	- 7	-10	-10	- 8	0	+11	+20	+24	+21	+13	+ 5	- 1	- 4	- 6	- 8	-10	-10	- 9	8.0
DEC	I	- 7	- 4	- 1	0	- 2	- 6	- 8	- 7	- 7	- 5	+ 1	+12	+23	+27	+23	+13	+ 2	- 4	- 6	- 7	- 9	- 9	-10	- 9	8.3
MEANS	I	- 6.8	- 4.9	- 3.2	- 1.7	- 2.6	- 5.7	- 9.2	-11.4	- 9.0	- 4.4	+ 5.0	+15.8	+23.5	+24.9	+21.0	+12.0	+ 2.4	- 2.6	- 5.0	- 5.8	- 7.3	- 7.9	- 8.6	- 8.5	8.7
	II	- 6.3	- 4.6	- 1.8	+ 0.2	+ 0.4	- 1.8	- 4.5	- 8.5	-12.4	- 9.1	+ 1.1	+12.8	+21.5	+23.8	+19.8	+12.0	+ 3.3	- 2.8	- 5.0	- 6.8	- 7.5	- 8.5	- 8.8	- 7.3	8.0
	III	- 2.0	+ 0.8	+ 2.0	+ 2.3	+ 2.0	+ 1.4	+ 1.6	+ 0.4	- 4.8	- 7.2	- 4.8	+ 0.6	+ 6.8	+11.1	+11.2	+ 8.4	+ 1.6	- 2.5	- 3.6	- 4.9	- 6.4	- 6.0	- 4.8	- 3.2	4.2
	YEAR	- 5.1	- 2.9	- 1.0	+ 0.2	0.0	- 2.0	- 4.0	- 6.5	- 8.8	- 6.9	+ 0.4	+ 9.7	+17.3	+19.9	+17.4	+10.8	+ 2.4	- 2.6	- 4.5	- 5.8	- 7.1	- 7.4	- 7.4	- 6.3	6.5

TABLE 408--CONCLUDED

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 8	- 3	+ 7	+16	+20	+20	+17	+11	+ 4	0	- 4	- 4	- 5	- 6	- 6	- 8	- 8	- 6	- 5	- 4	- 4	- 5	- 8	-11	8.0
FEB	I	-10	- 3	+ 8	+19	+24	+24	+22	+14	+ 3	- 4	- 6	- 6	- 6	- 7	- 9	- 9	- 8	- 6	- 4	- 4	- 4	- 5	-10	-14	9.6
MAR	II	-14	- 9	+ 5	+18	+26	+27	+23	+14	+ 4	- 1	- 3	- 5	- 6	- 8	- 9	- 9	-10	- 9	- 7	- 5	- 5	- 4	- 5	- 8	9.8
APR	II	-15	-14	- 6	+ 7	+20	+24	+19	+12	+ 5	- 1	- 4	- 6	- 6	- 6	- 6	- 6	- 4	- 2	- 2	0	0	0	- 2	- 6	7.2
MAY	III	- 4	- 7	- 5	- 1	+ 4	+ 8	+10	+ 9	+ 5	- 1	- 4	- 4	- 6	- 6	- 6	- 5	- 2	+ 1	+ 2	+ 3	+ 3	+ 3	+ 3	+ 3	4.3
JUN	III	- 2	- 6	- 2	+ 5	+ 8	+ 9	+ 7	+ 5	0	- 4	- 5	- 7	- 7	- 6	- 6	- 2	0	+ 2	+ 2	+ 2	+ 2	+ 1	+ 1	+ 2	3.9
JUL	III	- 7	-11	- 8	- 3	+ 4	+11	+13	+10	0	- 4	- 4	- 4	- 4	- 3	- 2	- 1	+ 1	+ 2	+ 2	+ 1	0	0	+ 1	+ 2	4.1
AUG	III	-11	-14	-12	- 5	+ 4	+11	+13	+11	+ 6	0	- 1	- 1	- 3	- 3	- 4	- 3	- 2	+ 1	+ 1	+ 1	+ 1	+ 2	+ 5	+ 4	5.0
SEP	II	-12	-13	- 7	+ 4	+13	+18	+16	+11	+ 5	0	- 4	- 4	- 6	- 8	- 9	- 7	- 3	- 2	0	+ 1	+ 3	+ 3	+ 4	- 1	6.4
OCT	II	-15	- 9	+ 3	+20	+31	+35	+30	+18	+ 2	- 6	- 9	-10	-10	-12	-14	-12	- 7	- 5	- 4	- 2	- 2	- 4	- 6	-11	11.6
NOV	I	-10	- 7	+ 1	+13	+20	+22	+20	+13	+ 5	- 1	- 4	- 6	- 8	- 9	- 9	- 8	- 6	- 5	- 2	0	- 1	- 2	- 6	-10	7.8
DEC	I	- 8	- 8	- 1	+10	+23	+27	+24	+13	+ 2	- 3	- 5	- 6	- 7	- 8	- 8	- 7	- 6	- 4	- 2	0	- 1	- 5	- 8	-10	8.3
MEANS	I	- 9.4	- 5.3	+ 3.8	+14.4	+21.8	+23.4	+20.8	+12.8	+ 3.8	- 1.8	- 4.8	- 5.4	- 6.4	- 7.2	- 7.8	- 8.0	- 7.0	- 5.4	- 3.2	- 2.2	- 2.8	- 4.6	- 8.1	-11.4	8.4
	II	-14.0	-11.2	- 1.3	+12.1	+22.6	+25.7	+22.1	+13.7	+ 4.2	- 2.0	- 5.0	- 6.4	- 7.0	- 8.5	- 9.6	- 8.4	- 6.1	- 4.6	- 3.2	- 1.4	- 1.2	- 1.5	- 2.3	- 6.6	8.4
	III	- 6.1	- 9.4	- 6.6	- 1.1	+ 4.9	+ 9.7	+10.9	+ 8.8	+ 2.8	- 2.0	- 3.6	- 4.0	- 5.0	- 4.8	- 4.6	- 2.7	- 0.9	+ 1.4	+ 1.9	+ 2.0	+ 1.5	+ 1.7	+ 2.4	+ 2.6	4.2
	YEAR	- 9.8	- 8.6	- 1.4	+ 8.5	+16.4	+19.6	+17.9	+11.8	+ 3.6	- 1.9	- 4.4	- 5.3	- 6.1	- 6.8	- 7.3	- 6.3	- 4.7	- 2.9	- 1.5	- 0.5	- 0.8	- 1.4	- 2.7	- 5.1	6.5

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 5	+18	+32	+40	+38	+31	+21	+11	- 1	-11	-16	-25	-26	-23	-16	-11	-15	- 8	- 6	- 3	- 7	- 4	-12	-12	16.4
FEB	I	- 7	- 2	+13	+29	+31	+26	+22	+10	- 1	- 7	-16	-19	- 7	- 9	-13	-10	-10	- 7	- 1	- 2	- 3	- 2	- 6	- 8	10.8
MAR	II	- 6	+ 1	+ 9	+15	+19	+18	+15	+ 8	0	- 7	-19	-14	-13	-13	-11	- 9	- 6	- 2	+ 4	+ 1	+ 9	+ 6	0	- 3	8.8
APR	II	+ 2	- 1	+ 6	+14	+19	+20	+11	+ 2	- 6	-18	-22	-29	-25	-11	- 8	- 5	- 1	+ 4	+ 7	+11	+12	+ 8	+ 5	+ 6	10.7
MAY	III	+ 6	+ 4	+ 1	- 2	+ 4	+ 5	+ 6	0	- 5	-13	-20	-13	- 9	- 8	-12	- 6	+ 2	+ 3	+10	+13	+11	+ 7	+10	+ 9	7.5
JUN	III	+ 5	0	0	+ 5	+ 6	+ 5	+ 8	+ 4	- 1	-13	- 8	- 8	-14	-13	- 7	- 8	- 2	+ 5	+ 5	+ 8	+ 4	+ 5	+ 7	+ 6	6.1
JUL	III	+ 1	- 1	- 2	0	+ 5	+ 9	+ 9	+ 8	- 2	- 3	-11	-11	- 8	-12	-12	-10	-12	- 1	+ 6	+ 8	+15	+ 6	+ 9	+ 8	7.1
AUG	III	+ 7	+ 1	+ 3	+10	+12	+19	+12	+ 5	- 8	-20	-30	-28	-31	-16	-14	-24	- 3	+ 6	+16	+22	+19	+23	+12	+10	14.7
SEP	II	- 4	- 3	+ 3	+11	+22	+27	+20	+ 7	- 8	-22	-22	-31	-19	-19	-21	- 6	0	+ 9	+10	+12	+11	+16	+ 7	- 1	13.0
OCT	II	+ 1	+ 1	+ 8	+17	+22	+24	+16	- 4	-10	-22	-23	-18	-14	-14	- 9	-10	+ 8	+ 6	+ 9	+ 6	+10	+ 6	+ 1	- 8	11.1
NOV	I	+ 5	+ 8	+16	+24	+29	+29	+19	+ 9	-13	-21	-22	-29	-22	-18	-11	- 7	- 1	0	+ 4	+ 6	+ 3	0	- 6	- 2	12.6
DEC	I	- 1	0	+ 2	+ 8	+17	+23	+25	+21	+12	+ 3	-17	-12	-23	-24	-19	-17	- 7	-10	- 4	+ 4	+ 3	+ 4	+ 4	+ 7	11.1
MEANS	I	+ 0.6	+ 5.9	+15.9	+25.4	+28.5	+27.4	+21.7	+12.4	- 0.9	- 8.9	-17.8	-21.2	-19.5	-18.2	-14.6	-11.3	- 8.3	- 6.4	- 1.8	+ 1.3	- 0.8	- 0.4	- 5.0	- 3.7	11.6
	II	- 1.7	- 0.3	+ 6.6	+14.4	+20.6	+22.0	+15.2	+ 3.4	- 6.4	-17.1	-21.8	-23.1	-18.0	-14.4	-12.6	- 7.8	0.0	+ 4.4	+ 7.8	+ 7.4	+10.6	+ 9.0	+ 3.0	- 1.6	10.4
	III	+ 4.8	+ 1.1	+ 0.2	+ 3.2	+ 6.6	+ 9.6	+ 8.6	+ 4.4	- 3.8	-12.2	-17.3	-15.3	-15.6	-12.4	-11.2	-12.0	- 4.0	+ 3.2	+ 9.2	+12.7	+12.4	+10.4	+ 9.4	+ 8.3	8.7
	YEAR	+ 1.2	+ 2.2	+ 7.6	+14.3	+18.6	+19.7	+15.2	+ 6.7	- 3.7	-12.7	-19.0	-19.9	-17.7	-15.0	-12.8	-10.3	- 4.1	+ 0.4	+ 5.1	+ 7.1	+ 7.4	+ 6.3	+ 2.5	+ 1.0	9.6

TABLE 409

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST. I DOWN. H. Z TOWARD NADIR. X NORTHWARD. Y EASTWARD. AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 8	+ 7	+ 6	+ 4	+ 5	+ 6	+10	+11	+ 6	0	-14	-23	-27	-26	-20	-10	0	+ 5	+ 6	+ 8	+ 8	+10	+ 9	+ 9	10.0
FEB	I	+ 8	+ 7	+ 6	+ 5	+ 5	+ 8	+13	+15	+ 9	0	-15	-27	-30	-26	-21	-11	- 1	+ 5	+ 8	+ 9	+ 8	+ 9	+10	+ 9	11.0
MAR	II	+ 8	+ 7	+ 5	+ 5	+ 4	+ 4	+ 7	+10	+ 9	+ 2	-10	-20	-25	-24	-20	-12	- 3	+ 2	+ 5	+ 8	+10	+10	+ 9	+10	9.5
APR	II	+ 4	+ 3	+ 2	+ 1	+ 2	+ 3	+ 5	+ 8	+10	+ 8	0	-10	-20	-23	-20	-14	- 6	+ 2	+ 6	+ 9	+ 9	+ 8	+ 8	+ 6	7.7
MAY	III	+ 1	0	- 2	- 1	- 1	0	0	+ 1	+ 6	+ 6	+ 2	- 4	- 9	-13	-14	-10	- 3	+ 5	+ 7	+ 7	+ 7	+ 8	+ 7	+ 4	4.9
JUN	III	0	- 2	- 3	- 2	- 1	- 1	0	+ 1	+ 4	+ 5	+ 4	- 2	- 6	- 8	- 9	- 7	0	+ 4	+ 5	+ 4	+ 6	+ 5	+ 4	+ 2	3.6
JUL	III	+ 2	- 2	- 3	- 2	- 3	0	+ 1	+ 2	+ 8	+11	+ 8	0	- 9	-16	-18	-13	- 3	+ 2	+ 4	+ 6	+ 6	+ 8	+ 7	+ 4	5.8
AUG	III	+ 3	0	- 3	- 3	- 3	- 3	- 1	+ 1	+ 7	+ 9	+ 6	- 2	-13	-19	-20	-14	- 4	+ 4	+ 8	+ 9	+10	+10	+ 9	+ 8	7.0
SEP	II	+ 2	0	- 2	- 3	- 1	- 2	- 1	+ 6	+10	+10	+ 5	- 4	-16	-22	-20	-14	- 5	+ 3	+ 9	+12	+ 8	+ 9	+11	+ 5	7.5
OCT	II	+ 3	+ 3	+ 1	0	0	+ 2	+ 5	+ 8	+ 8	+ 4	- 6	-16	-25	-28	-23	-12	- 2	+ 7	+11	+14	+14	+13	+11	+ 8	9.3
NOV	I	+ 3	+ 3	+ 1	- 1	0	+ 3	+ 6	+ 6	+ 5	+ 2	- 4	-13	-20	-22	-18	- 9	+ 1	+ 6	+ 7	+ 8	+10	+10	+10	+ 7	7.2
DEC	I	+ 6	+ 5	+ 2	- 1	+ 1	+ 3	+ 5	+ 5	+ 6	+ 5	- 2	-12	-20	-22	-19	-12	- 4	+ 1	+ 6	+ 7	+ 9	+11	+10	+ 9	7.7
MEANS	I	+ 6.4	+ 5.5	+ 3.6	+ 1.9	+ 2.9	+ 5.1	+ 8.4	+ 9.0	+ 6.4	+ 1.5	- 8.7	-18.8	-24.0	-23.9	-19.4	-10.7	- 1.4	+ 4.1	+ 6.7	+ 8.0	+ 8.9	+10.0	+10.0	+ 8.4	8.9
	II	+ 4.4	+ 3.3	+ 1.6	+ 0.8	+ 1.2	+ 1.5	+ 4.1	+ 7.8	+ 9.4	+ 5.6	- 2.7	-12.6	-21.4	-24.5	-20.6	-13.0	- 3.7	+ 3.6	+ 7.7	+10.8	+10.0	+10.0	+ 9.8	+ 7.1	8.2
	III	+ 1.4	- 1.2	- 2.4	- 2.1	- 1.9	- 1.0	- 0.4	+ 1.2	+ 6.3	+ 7.9	+ 5.0	- 2.2	- 9.4	-14.1	-15.2	-11.0	- 2.5	+ 3.4	+ 6.2	+ 6.6	+ 7.3	+ 7.6	+ 6.6	+ 4.6	5.3
	YEAR	+ 4.1	+ 2.6	+ 1.0	+ 0.2	+ 0.7	+ 1.8	+ 4.0	+ 6.0	+ 7.3	+ 5.0	- 2.1	-11.2	-18.3	-20.8	-18.4	-11.6	- 2.5	+ 3.7	+ 6.9	+ 8.5	+ 8.7	+ 9.2	+ 8.8	+ 6.7	7.1

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 6	+ 6	+ 5	+ 4	+ 4	+ 7	+11	+12	+ 6	+ 2	- 8	-18	-24	-24	-19	-10	- 1	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8	+ 9	8.7
FEB	I	+ 6	+ 6	+ 5	+ 4	+ 4	+ 6	+12	+15	+ 8	0	-12	-22	-25	-23	-20	-12	- 1	+ 4	+ 6	+ 6	+ 7	+ 8	+ 8	+ 8	9.6
MAR	II	+10	+ 8	+ 6	+ 5	+ 4	+ 5	+ 9	+12	+11	+ 3	-11	-23	-28	-26	-21	-13	- 3	+ 3	+ 5	+ 8	+ 9	+10	+10	+11	10.5
APR	II	+ 5	+ 3	+ 1	0	0	+ 1	+ 5	+ 9	+11	+ 8	0	-10	-21	-23	-18	-12	- 4	+ 3	+ 5	+ 8	+ 8	+ 8	+ 8	+ 6	7.4
MAY	III	0	- 2	- 2	- 2	- 2	0	+ 1	+ 2	+ 7	+ 8	+ 5	- 2	- 7	-12	-14	-12	- 5	+ 2	+ 4	+ 4	+ 6	+ 6	+ 6	+ 4	4.8
JUN	III	- 2	- 3	- 2	- 3	- 1	0	+ 1	+ 1	+ 5	+ 7	+ 3	- 4	- 9	-10	- 9	- 6	0	+ 5	+ 6	+ 7	+ 6	+ 5	+ 4	+ 2	4.2
JUL	III	0	- 2	- 2	- 2	- 1	+ 1	+ 2	+ 5	+11	+13	+ 8	0	-11	-17	-18	-12	- 2	+ 4	+ 5	+ 5	+ 5	+ 5	+ 3	+ 1	5.6
AUG	III	+ 2	- 1	- 3	- 2	- 2	- 1	- 2	+ 2	+10	+12	+10	+ 2	- 7	-16	-17	-13	- 5	+ 1	+ 3	+ 5	+ 7	+ 7	+ 6	+ 5	5.8
SEP	II	+ 3	+ 1	- 1	- 3	- 2	0	0	+ 4	+13	+14	+10	- 2	-13	-20	-19	-13	- 6	0	+ 3	+ 5	+ 6	+ 6	+ 7	+ 6	6.7
OCT	II	+ 5	+ 5	+ 4	+ 1	+ 2	+ 5	+ 7	+11	+12	+ 8	- 3	-16	-25	-29	-24	-14	- 2	+ 5	+ 7	+ 8	+10	+10	+ 9	+ 7	9.5
NOV	I	+ 4	+ 2	0	- 3	- 1	+ 3	+ 7	+11	+12	+10	+ 3	- 8	-18	-22	-19	-12	- 4	0	+ 3	+ 4	+ 6	+ 7	+ 7	+ 7	7.2
DEC	I	+ 4	+ 1	- 1	0	+ 2	+ 5	+ 8	+ 8	+ 8	+ 7	- 1	-12	-22	-24	-20	- 9	0	+ 4	+ 5	+ 6	+ 8	+ 7	+ 8	+ 6	7.4
MEANS	I	+ 5.1	+ 4.0	+ 2.4	+ 1.2	+ 2.3	+ 5.4	+ 9.4	+11.3	+ 8.7	+ 4.6	- 4.5	-15.0	-22.4	-23.4	-19.5	-10.6	- 1.5	+ 2.8	+ 4.7	+ 5.5	+ 6.7	+ 7.2	+ 8.1	+ 7.6	8.1
	II	+ 5.8	+ 4.0	+ 2.2	+ 0.8	+ 1.0	+ 2.6	+ 4.9	+ 8.9	+12.0	+ 8.4	- 1.0	-12.5	-21.8	-24.4	-20.7	-12.9	- 4.0	+ 2.6	+ 5.1	+ 7.3	+ 8.0	+ 8.6	+ 8.6	+ 7.5	8.2
	III	0.0	- 1.9	- 2.4	- 2.1	- 1.3	- 0.2	+ 0.4	+ 2.6	+ 8.2	+10.2	+ 6.4	- 1.2	- 8.7	-13.6	-14.5	-10.9	- 2.9	+ 3.0	+ 4.5	+ 5.2	+ 6.1	+ 5.7	+ 4.4	+ 2.9	5.0
	YEAR	+ 3.7	+ 2.0	+ 0.7	0.0	+ 0.7	+ 2.6	+ 4.9	+ 7.6	+ 9.6	+ 7.8	+ 0.3	- 9.5	-17.6	-20.5	-18.2	-11.5	- 2.8	+ 2.8	+ 4.8	+ 6.0	+ 6.9	+ 7.2	+ 7.0	+ 6.0	6.7

TABLE 409--CONCLUDED

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1943

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 7	+ 3	- 7	-16	-22	-23	-20	-13	- 4	+ 1	+ 4	+ 4	+ 4	+ 5	+ 6	+ 7	+ 7	+ 6	+ 5	+ 5	+ 6	+ 8	+11	+14	8.7
FEB	I	+ 7	0	- 9	-18	-22	-22	-21	-15	- 4	+ 2	+ 6	+ 6	+ 6	+ 6	+ 8	+ 8	+ 8	+ 7	+ 6	+ 5	+ 6	+ 7	+11	+14	9.3
MAR	II	+11	+ 5	- 8	-20	-28	-27	-24	-15	- 5	+ 1	+ 4	+ 6	+ 8	+ 9	+10	+10	+ 9	+ 8	+ 7	+ 6	+ 7	+ 7	+ 7	+11	10.5
APR	II	+13	+10	+ 2	- 1	-23	-25	-21	-14	- 5	+ 2	+ 5	+ 7	+ 7	+ 7	+ 7	+ 6	+ 5	+ 3	+ 3	+ 2	+ 2	+ 3	+ 5	+ 9	8.2
MAY	III	+ 8	+10	+ 8	+11	- 4	+11	+14	+14	+ 8	0	+ 4	+ 4	+ 6	+ 5	+ 4	+ 4	+ 1	- 1	- 2	- 2	- 1	0	0	+ 2	4.7
JUN	III	+ 6	+10	+ 6	- 3	- 8	-10	- 9	- 7	- 1	+ 4	+ 5	+ 6	+ 5	+ 4	+ 3	0	- 2	- 3	- 3	- 3	- 1	0	+ 1	+ 2	4.2
JUL	III	+10	+13	+ 8	- 1	-10	-16	-18	-14	- 2	+ 4	+ 5	+ 4	+ 4	+ 4	+ 2	+ 1	- 1	- 2	- 1	0	+ 2	+ 2	+ 3	+ 4	5.4
AUG	III	+11	+14	+ 9	+ 1	- 9	-15	-18	-15	- 8	- 1	+ 2	+ 2	+ 4	+ 3	+ 3	+ 2	+ 3	+ 1	+ 1	+ 2	+ 2	+ 2	+ 1	+ 2	5.4
SEP	II	+13	+14	+ 8	- 4	-16	-22	-20	-15	- 7	- 1	+ 3	+ 4	+ 5	+ 7	+ 7	+ 4	+ 3	+ 2	+ 2	+ 2	0	0	0	+ 6	7.2
OCT	II	+14	+10	- 1	-17	-29	-33	-28	-17	- 3	+ 4	+ 7	+ 8	+ 9	+10	+12	+ 9	+ 6	+ 5	+ 4	+ 2	+ 3	+ 5	+ 8	+13	10.7
NOV	I	+12	+ 9	+ 1	-10	-18	-21	-18	-13	- 6	- 1	+ 2	+ 3	+ 5	+ 6	+ 6	+ 6	+ 4	+ 4	+ 2	+ 1	+ 2	+ 4	+ 9	+13	7.3
DEC	I	+ 8	+ 7	- 1	-12	-23	-24	-20	- 9	0	+ 3	+ 4	+ 5	+ 5	+ 6	+ 7	+ 6	+ 5	+ 3	+ 2	0	+ 2	+ 6	+10	+12	7.6
MEANS	I	+ 8.4	+ 4.6	- 4.2	-14.1	-21.2	-22.6	-20.1	-12.3	- 3.5	+ 1.2	+ 3.8	+ 4.4	+ 5.2	+ 5.9	+ 6.6	+ 6.7	+ 6.2	+ 5.0	+ 3.6	+ 2.9	+ 3.8	+ 6.1	+10.3	+13.3	8.2
	II	+13.0	+ 9.7	+ 0.2	-13.0	-23.9	-26.9	-23.2	-15.0	- 5.2	+ 1.3	+ 4.9	+ 6.4	+ 7.1	+ 8.4	+ 8.8	+ 7.9	+ 6.1	+ 4.7	+ 4.0	+ 2.8	+ 3.2	+ 3.9	+ 4.9	+ 9.9	8.9
	III	+ 8.5	+11.6	+ 7.5	- 0.5	- 7.7	-13.0	-14.8	-12.2	- 4.7	+ 1.7	+ 3.9	+ 4.2	+ 4.8	+ 4.1	+ 3.2	+ 1.7	+ 0.3	- 1.2	- 1.2	- 0.7	+ 0.4	+ 0.8	+ 1.2	+ 2.3	4.7
	YEAR	+10.0	+ 8.6	+ 1.2	- 9.2	-17.6	-20.8	-19.3	-13.2	- 4.5	+ 1.4	+ 4.2	+ 5.0	+ 5.7	+ 6.1	+ 6.2	+ 5.4	+ 4.2	+ 2.8	+ 2.1	+ 1.7	+ 2.4	+ 3.6	+ 5.5	+ 8.5	7.0

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 3	-12	-25	-31	-26	-20	-14	- 8	+ 1	+10	+12	+15	+17	+19	+14	+ 9	+10	+11	+ 5	0	+ 4	+ 1	+ 6	+ 6	11.8
FEB	I	+ 9	+ 4	-10	-25	-28	-25	-21	-11	- 2	+ 4	+11	+16	+ 6	+ 9	+13	+10	+10	+ 7	+ 5	+ 3	+ 3	+ 2	+ 6	+ 5	10.2
MAR	II	+ 6	- 1	- 8	-12	-18	-17	-15	-10	- 3	+ 2	+ 8	+ 9	+11	+11	+10	+10	+ 8	+ 6	+ 2	+ 6	- 1	- 5	+ 1	0	7.5
APR	II	+ 9	+ 7	- 2	-11	-18	-22	-18	-11	- 3	+ 4	+ 8	+13	+13	+ 7	+ 8	+ 8	+ 7	+ 1	0	- 2	- 2	0	+ 3	+ 2	7.5
MAY	III	+ 6	+ 3	- 3	- 2	- 8	-13	-16	- 8	- 1	+ 6	+16	+10	+ 7	+ 9	+11	+ 6	0	0	- 4	- 4	- 4	- 2	- 5	- 3	6.2
JUN	III	+ 3	+ 7	+ 6	+ 1	- 7	- 8	- 9	- 7	- 3	+ 6	+ 2	+ 3	+ 7	+ 7	+ 6	+ 5	+ 2	- 2	- 2	- 5	- 2	- 2	- 3	- 2	4.6
JUL	III	+ 6	+ 8	+ 7	+ 4	- 2	-14	-17	-16	- 5	- 1	+ 4	+11	+ 6	+ 9	+12	+ 8	+10	- 1	- 4	- 4	- 9	- 1	- 6	- 3	7.0
AUG	III	+ 6	+10	+ 7	- 8	-16	-23	-21	-11	+ 2	+12	+19	+17	+18	+13	+ 8	+22	+ 2	- 2	-10	-13	-10	-14	- 5	- 5	11.5
SEP	II	+ 9	+ 6	- 2	-14	-26	-31	-22	-11	+ 2	+13	+14	+28	+16	+13	+19	+ 5	+ 2	- 2	- 2	- 5	- 6	-10	- 3	+ 5	11.1
OCT	II	- 1	- 3	- 4	-13	-23	-24	-21	- 3	0	+12	+15	+16	+12	+22	+16	+10	- 2	- 1	- 4	- 2	- 8	- 4	+ 2	+ 6	9.3
NOV	I	- 2	- 6	-13	-23	-31	-29	-20	-11	+ 7	+14	+14	+23	+20	+14	+13	+10	+ 3	+ 2	+ 1	+ 1	+ 2	+ 4	+ 8	- 1	11.2
DEC	I	+ 5	+ 5	+ 1	- 6	-16	-21	-20	-16	- 8	- 4	+10	+ 9	+16	+18	+15	+14	+ 6	+12	+ 5	- 5	- 4	- 6	- 5	- 8	9.8
MEANS	I	+ 2.3	- 2.2	-11.9	-21.2	-25.4	-23.8	-19.1	-11.5	- 0.3	+ 5.9	+12.0	+15.8	+14.8	+15.1	+13.6	+10.7	+ 7.5	+ 8.1	+ 3.8	0.0	+ 1.2	+ 0.1	+ 3.6	+ 0.5	9.6
	II	+ 5.8	+ 2.1	- 4.0	-12.2	-21.2	-23.5	-19.2	- 8.8	- 0.9	+ 7.7	+11.4	+16.6	+13.0	+13.1	+13.4	+ 8.5	+ 3.8	+ 1.0	- 1.0	- 0.8	- 4.2	- 4.5	+ 0.7	+ 3.4	8.4
	III	+ 5.2	+ 7.2	+ 4.2	- 1.2	- 8.4	-14.5	-15.7	-10.8	- 2.0	+ 5.7	+10.3	+10.4	+ 9.4	+ 9.6	+ 9.2	+10.4	+ 3.6	- 1.4	- 5.2	- 6.5	- 6.4	- 4.8	- 4.8	- 3.5	7.1
	YEAR	+ 4.4	+ 2.4	- 3.9	-11.6	-18.3	-20.6	-18.0	-10.4	- 1.1	+ 6.4	+11.2	+14.2	+12.4	+12.6	+12.1	+ 9.9	+ 5.0	+ 2.6	- 0.8	- 2.4	- 3.1	- 3.0	- 0.2	+ 0.1	7.8

TABLE 410

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST. I DOWN. H Z TOWARD NADIR. X NORTHWARD. Y EASTWARD. AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 1.0	- 0.8	- 0.8	- 0.6	- 0.8	- 1.2	- 1.7	- 2.2	- 2.9	- 2.9	- 2.2	- 1.0	+ 0.4	+ 1.7	+ 2.7	+ 3.2	+ 2.9	+ 2.4	+ 2.0	+ 1.6	+ 1.1	+ 0.6	0.0	- 0.5	1.56
FEB	I	- 0.4	- 0.4	- 0.2	- 0.1	- 0.1	- 0.5	- 1.6	- 2.8	- 3.7	- 3.9	- 2.9	- 1.1	+ 0.9	+ 2.5	+ 3.6	+ 3.6	+ 3.1	+ 2.2	+ 1.3	+ 1.2	+ 0.5	- 0.3	- 0.5	- 0.4	1.57
MAR	II	- 0.4	- 0.5	- 0.1	0.0	- 0.1	- 0.4	- 1.0	- 1.9	- 3.1	- 3.3	- 2.3	- 0.5	+ 1.5	+ 2.9	+ 3.2	+ 3.1	+ 2.3	+ 1.4	+ 0.8	0.0	- 0.3	- 0.1	- 0.6	- 0.6	1.27
APR	II	- 0.6	- 0.2	0.0	+ 0.2	- 0.2	- 0.3	- 0.3	- 1.0	- 1.9	- 2.3	- 1.7	- 0.5	+ 0.9	+ 2.0	+ 2.5	+ 2.5	+ 1.9	+ 1.0	+ 0.2	- 0.3	- 0.4	- 0.6	- 0.5	- 0.6	0.93
MAY	III	- 0.2	0.0	+ 0.2	+ 0.4	+ 0.5	+ 0.3	+ 0.2	0.0	- 0.6	- 1.3	- 1.6	- 1.1	- 0.1	+ 0.8	+ 1.7	+ 2.0	+ 1.6	+ 0.7	0.0	- 0.6	- 0.6	- 0.8	- 0.9	- 0.6	0.70
JUN	III	- 0.6	- 0.2	- 0.1	+ 0.2	+ 0.3	+ 0.3	+ 0.5	+ 0.8	+ 0.5	- 0.4	- 0.9	- 1.0	- 0.6	+ 0.1	+ 0.9	+ 1.4	+ 1.2	+ 0.5	+ 0.1	- 0.3	- 0.6	- 0.7	- 0.8	- 0.8	0.57
JUL	III	- 0.3	- 0.1	+ 0.3	+ 0.4	+ 0.6	+ 0.5	+ 0.5	+ 0.7	+ 0.2	- 0.8	- 1.4	- 1.4	- 0.8	+ 0.1	+ 1.1	+ 1.5	+ 1.2	+ 0.4	0.0	- 0.2	- 0.5	- 0.7	- 0.7	- 0.6	0.62
AUG	III	- 0.3	- 0.1	+ 0.2	+ 0.4	+ 0.5	+ 0.4	+ 0.4	+ 0.2	- 0.8	- 1.8	- 2.3	- 2.0	- 1.0	+ 0.3	+ 1.5	+ 2.2	+ 1.9	+ 1.2	+ 0.8	+ 0.2	- 0.4	- 0.5	- 0.6	- 0.6	0.86
SEP	II	0.0	+ 0.1	+ 0.2	+ 0.4	+ 0.5	+ 0.4	+ 0.3	- 0.5	- 1.9	- 2.8	- 3.2	- 2.3	- 0.4	+ 1.4	+ 2.5	+ 2.6	+ 2.1	+ 1.4	+ 0.7	+ 0.2	0.0	- 0.4	- 0.7	- 0.5	1.07
OCT	II	- 0.3	- 0.1	- 0.2	0.0	- 0.1	- 0.3	- 0.8	- 2.3	- 3.8	- 4.4	- 3.6	- 1.6	+ 1.1	+ 3.0	+ 3.8	+ 3.6	+ 2.6	+ 1.5	+ 0.9	+ 0.5	+ 0.3	+ 0.2	0.0	0.0	1.46
NOV	I	- 0.1	- 0.2	- 0.3	- 0.2	- 0.3	- 0.7	- 1.9	- 3.2	- 4.2	- 4.5	- 3.7	- 1.5	+ 1.1	+ 3.0	+ 4.0	+ 4.0	+ 3.3	+ 2.3	+ 1.5	+ 1.1	+ 0.6	+ 0.3	0.0	- 0.2	1.77
DEC	I	- 0.6	- 0.9	- 0.8	- 0.2	- 0.7	- 1.4	- 2.2	- 2.8	- 3.4	- 3.5	- 2.5	- 0.8	+ 0.9	+ 2.4	+ 3.2	+ 3.5	+ 2.9	+ 2.4	+ 1.9	+ 1.4	+ 1.0	+ 0.6	- 0.1	- 0.4	1.70
MEANS	I	- 0.5	- 0.6	- 0.5	- 0.3	- 0.5	- 1.0	- 1.8	- 2.8	- 3.6	- 3.7	- 2.8	- 1.1	+ 0.8	+ 2.4	+ 3.4	+ 3.6	+ 3.0	+ 2.3	+ 1.7	+ 1.3	+ 0.8	+ 0.3	- 0.2	- 0.4	1.64
	II	- 0.3	- 0.2	0.0	+ 0.2	0.0	- 0.2	- 0.5	- 1.4	- 2.7	- 3.2	- 2.7	- 1.2	+ 0.8	+ 2.3	+ 3.0	+ 2.9	+ 2.2	+ 1.3	+ 0.6	+ 0.1	- 0.1	- 0.2	- 0.5	- 0.4	1.13
	III	- 0.4	- 0.1	+ 0.2	+ 0.3	+ 0.5	+ 0.3	+ 0.4	+ 0.4	- 0.2	- 1.1	- 1.5	- 1.3	- 0.6	+ 0.3	+ 1.3	+ 1.8	+ 1.5	+ 0.7	+ 0.3	- 0.2	- 0.5	- 0.7	- 0.8	- 0.7	0.67
	YEAR	- 0.4	- 0.3	- 0.1	+ 0.1	0.0	- 0.3	- 0.6	- 1.2	- 2.1	- 2.7	- 2.4	- 1.2	+ 0.3	+ 1.7	+ 2.6	+ 2.8	+ 2.2	+ 1.4	+ 0.9	+ 0.4	+ 0.1	- 0.2	- 0.5	- 0.5	1.04

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 0.6	- 0.2	0.0	- 0.2	- 0.3	- 0.8	- 1.7	- 2.8	- 3.2	- 3.0	- 2.2	- 1.0	+ 0.3	+ 1.4	+ 2.4	+ 2.8	+ 2.3	+ 2.0	+ 1.8	+ 1.5	+ 1.2	+ 0.5	0.0	- 0.2	1.36
FEB	I	- 0.2	- 0.2	- 0.1	- 0.1	- 0.3	- 0.4	- 1.0	- 2.4	- 3.5	- 4.0	- 3.4	- 2.0	- 0.2	+ 1.7	+ 2.8	+ 3.0	+ 2.7	+ 2.1	+ 1.4	+ 1.3	+ 1.0	+ 0.9	+ 0.6	+ 0.3	1.48
MAR	II	- 0.3	- 0.6	0.0	0.0	+ 0.1	- 0.2	- 1.1	- 2.2	- 3.3	- 3.8	- 2.8	- 0.9	+ 1.4	+ 2.7	+ 2.8	+ 2.7	+ 2.1	+ 1.5	+ 1.0	+ 0.5	+ 0.5	+ 0.2	0.0	- 0.2	1.29
APR	II	- 0.4	- 0.1	- 0.2	- 0.1	- 0.1	- 0.2	- 0.4	- 0.8	- 1.6	- 2.0	- 1.6	- 0.8	+ 0.5	+ 1.3	+ 1.8	+ 1.7	+ 1.4	+ 0.9	+ 0.6	+ 0.4	+ 0.2	0.0	- 0.3	- 0.3	0.74
MAY	III	0.0	+ 0.2	+ 0.4	+ 0.7	+ 0.3	+ 0.2	+ 0.2	0.0	- 0.9	- 1.6	- 1.9	- 1.5	- 0.5	+ 0.5	+ 1.4	+ 1.8	+ 1.4	+ 0.6	+ 0.2	0.0	- 0.3	- 0.4	- 0.5	- 0.3	0.67
JUN	III	- 0.6	- 0.5	- 0.1	0.0	0.0	+ 0.1	+ 0.5	+ 0.8	+ 0.5	- 0.2	- 0.8	- 0.9	- 0.5	0.0	+ 0.6	+ 1.3	+ 1.2	+ 0.5	+ 0.1	- 0.1	- 0.3	- 0.5	- 0.5	- 0.4	0.47
JUL	III	- 0.2	0.0	+ 0.3	+ 0.4	+ 0.6	+ 0.5	+ 0.5	+ 0.8	+ 0.2	- 0.9	- 1.5	- 1.7	- 1.0	- 0.1	+ 0.9	+ 1.6	+ 1.3	+ 0.3	0.0	- 0.2	- 0.3	- 0.5	- 0.5	- 0.4	0.62
AUG	III	- 0.4	- 0.2	+ 0.3	+ 0.5	+ 0.6	+ 0.5	+ 0.4	+ 0.2	- 0.8	- 1.8	- 2.4	- 2.3	- 1.3	- 0.1	+ 1.0	+ 1.8	+ 1.8	+ 1.2	+ 0.7	+ 0.4	+ 0.2	- 0.1	- 0.3	- 0.2	0.82
SEP	II	- 0.2	0.0	- 0.2	+ 0.2	+ 0.6	+ 0.5	+ 0.1	- 0.8	- 3.0	- 3.0	- 3.4	- 2.5	- 0.4	+ 1.4	+ 2.6	+ 2.6	+ 2.0	+ 1.3	+ 0.7	+ 0.6	+ 0.2	0.0	- 0.1	- 0.3	1.07
OCT	II	0.0	- 0.1	0.0	+ 0.1	- 0.2	- 0.2	- 0.6	- 2.3	- 4.0	- 4.6	- 4.0	- 1.8	+ 1.0	+ 3.0	+ 3.9	+ 3.5	+ 2.3	+ 1.2	+ 0.8	+ 0.6	+ 0.4	+ 0.4	+ 0.3	+ 0.3	1.07
NOV	I	- 0.5	- 0.3	- 0.4	- 0.1	- 0.3	- 0.7	- 2.0	- 3.4	- 4.5	- 4.8	- 3.9	- 1.6	+ 1.2	+ 3.1	+ 3.9	+ 3.7	+ 2.8	+ 2.0	+ 1.4	+ 1.2	+ 1.1	+ 0.8	+ 0.7	+ 0.4	1.87
DEC	I	- 0.4	- 0.3	- 0.2	- 0.2	- 0.4	- 1.1	- 1.8	- 2.4	- 3.1	- 3.0	- 2.6	- 1.5	0.0	+ 1.8	+ 2.5	+ 2.8	+ 2.6	+ 2.2	+ 1.7	+ 1.5	+ 1.1	+ 0.8	+ 0.4	- 0.2	1.44
MEANS	I	- 0.4	- 0.3	- 0.2	- 0.2	- 0.4	- 0.8	- 1.6	- 2.8	- 3.6	- 3.7	- 3.0	- 1.5	+ 0.3	+ 2.0	+ 2.9	+ 3.1	+ 2.6	+ 2.1	+ 1.6	+ 1.4	+ 1.1	+ 0.8	+ 0.4	+ 0.1	1.53
	II	- 0.2	- 0.2	- 0.1	0.0	+ 0.1	- 0.1	- 0.5	- 1.5	- 2.7	- 3.3	- 2.9	- 1.5	+ 0.6	+ 2.1	+ 2.8	+ 2.6	+ 2.0	+ 1.2	+ 0.8	+ 0.5	+ 0.3	+ 0.2	0.0	- 0.1	1.10
	III	- 0.3	- 0.1	+ 0.2	+ 0.4	+ 0.4	+ 0.3	+ 0.4	+ 0.4	- 0.2	- 1.2	- 1.7	- 1.6	- 0.8	+ 0.1	+ 1.0	+ 1.6	+ 1.4	+ 0.7	+ 0.3	0.0	- 0.2	- 0.4	- 0.5	- 0.3	0.60
	YEAR	- 0.3	- 0.2	0.0	+ 0.1	0.0	- 0.2	- 0.6	- 1.3	- 2.2	- 2.7	- 2.5	- 1.5	0.0	+ 1.4	+ 2.2	+ 2.4	+ 2.0	+ 1.3	+ 0.9	+ 0.6	+ 0.4	+ 0.2	0.0	- 0.1	0.97

TABLE 410--CONCLUDED

DECLINATION (D)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 3.3	- 3.1	- 2.4	- 1.2	- 0.1	+ 0.8	+ 1.7	+ 2.0	+ 2.0	+ 2.0	+ 1.9	+ 1.6	+ 1.2	+ 0.5	+ 0.1	+ 0.2	+ 0.1	0.0	0.0	0.0	- 0.2	- 0.5	- 1.4	- 2.2	1.19
FEB	I	- 3.7	- 4.4	- 4.0	- 2.5	- 0.5	+ 1.5	+ 2.9	+ 3.2	+ 2.7	+ 1.9	+ 1.2	+ 1.1	+ 1.0	+ 0.9	+ 0.6	+ 0.3	+ 0.3	+ 0.2	+ 0.2	+ 0.2	+ 0.1	- 0.2	- 0.8	- 2.2	1.53
MAR	II	- 3.4	- 4.2	- 3.1	- 1.4	+ 1.0	+ 2.4	+ 2.8	+ 2.6	+ 2.2	+ 1.5	+ 1.1	+ 0.9	+ 0.8	+ 0.6	+ 0.3	0.0	0.0	- 0.1	- 0.1	- 0.2	- 0.1	- 0.3	- 1.1	- 2.3	1.36
APR	II	- 2.1	- 2.5	- 2.0	- 1.0	+ 0.6	+ 1.7	+ 2.2	+ 1.9	+ 1.6	+ 1.0	+ 0.6	+ 0.4	+ 0.2	0.0	- 0.2	- 0.3	- 0.1	- 0.1	0.0	0.0	- 0.1	- 0.2	- 0.4	- 1.1	0.84
MAY	III	- 0.9	- 1.6	- 2.0	- 1.6	- 0.7	+ 0.4	+ 1.2	+ 1.6	+ 1.4	+ 0.7	+ 0.2	0.0	- 0.3	- 0.4	- 0.4	- 0.2	+ 0.2	+ 0.3	+ 0.5	+ 0.5	+0.4	+ 0.4	+ 0.3	+ 0.2	0.69
JUN	III	+ 0.2	- 0.5	- 1.2	- 1.2	- 0.7	+ 0.1	+ 1.0	+ 1.5	+ 1.1	+ 0.4	0.0	- 0.2	- 0.4	- 0.6	- 0.6	- 0.6	- 0.3	+ 0.1	+ 0.2	+ 0.4	+ 0.4	+ 0.3	+ 0.2	+ 0.4	0.52
JUL	III	- 0.1	- 1.3	- 1.8	- 1.8	- 0.9	+ 0.2	+ 1.1	+ 1.7	+ 1.3	+ 0.2	- 0.2	- 0.3	- 0.4	- 0.5	- 0.5	- 0.4	- 0.1	+ 0.1	+ 0.5	+ 0.5	+ 0.5	+ 0.6	+ 0.8	+ 0.7	0.69
AUG	III	- 1.2	- 2.2	- 2.6	- 2.3	- 1.3	+ 0.1	+ 1.3	+ 1.9	+ 1.8	+ 1.2	+ 0.7	+ 0.5	+ 0.2	0.0	- 0.2	- 0.2	0.0	0.0	+ 0.4	+ 0.6	+ 0.5	+ 0.2	+ 0.6	+ 0.5	0.86
SEP	II	- 2.3	- 3.2	- 3.6	- 2.4	- 0.2	+ 1.4	+ 2.6	+ 2.8	+ 2.2	+ 1.5	+ 0.8	+ 0.7	+ 0.2	+ 0.1	- 0.2	- 0.4	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.2	+ 0.1	+ 0.1	- 0.8	1.09
OCT	II	- 4.2	- 4.6	- 3.6	- 1.7	+ 0.7	+ 2.7	+ 3.8	+ 3.5	+ 2.4	+ 1.1	+ 0.7	+ 0.5	+ 0.5	+ 0.4	+ 0.4	+ 0.4	+ 0.3	+ 0.2	0.0	+ 0.1	- 0.1	- 0.3	- 1.0	- 2.5	1.48
NOV	I	- 4.4	- 4.9	- 4.1	- 1.8	+ 1.0	+ 2.6	+ 3.4	+ 3.3	+ 2.6	+ 1.9	+ 1.3	+ 1.0	+ 1.0	+ 1.0	+ 0.8	+ 0.4	+ 0.1	0.0	+ 0.1	+ 0.1	- 0.1	- 0.6	- 1.8	- 3.0	1.73
DEC	I	- 2.6	- 2.6	- 2.3	- 1.1	+ 0.6	+ 2.0	+ 2.2	+ 2.2	+ 2.0	+ 1.8	+ 1.6	+ 1.2	+ 0.8	+ 0.5	+ 0.2	0.0	- 0.2	- 0.1	- 0.2	- 0.2	- 0.4	- 1.0	- 1.8	- 2.4	1.25
MEANS	I	- 3.5	- 3.8	- 3.2	- 1.6	+ 0.2	+ 1.7	+ 2.6	+ 2.7	+ 2.3	+ 1.9	+ 1.5	+ 1.2	+ 1.0	+ 0.7	+ 0.4	+ 0.2	+ 0.1	0.0	0.0	0.0	- 0.1	- 0.6	- 1.5	- 2.4	1.40
	II	- 3.0	- 3.6	- 3.1	- 1.6	+ 0.5	+ 2.0	+ 2.8	+ 2.7	+ 2.1	+ 1.3	+ 0.8	+ 0.6	+ 0.4	+ 0.3	+ 0.1	- 0.1	+ 0.1	0.0	0.0	0.0	0.0	- 0.2	- 0.6	- 1.7	1.15
	III	- 0.5	- 1.4	- 1.7	- 1.7	- 0.9	+ 0.2	+ 1.1	+ 1.7	+ 1.4	+ 0.6	+ 0.2	0.0	- 0.2	- 0.4	- 0.4	- 0.4	- 0.1	+ 0.1	+ 0.4	+ 0.5	+ 0.4	+ 0.4	+ 0.5	+ 0.4	0.67
	YEAR	- 2.3	- 2.9	- 2.7	- 1.7	0.0	+ 1.3	+ 2.2	+ 2.4	+ 1.9	+ 1.3	+ 0.8	+ 0.6	+ 0.4	+ 0.2	0.0	- 0.1	0.0	+ 0.1	+ 0.1	+ 0.2	+ 0.1	- 0.1	- 0.5	- 1.2	0.97

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	- 3.0	- 3.0	- 2.3	- 0.6	+ 1.0	+ 2.4	+ 3.5	+ 4.3	+ 3.8	+ 3.0	+ 2.0	+ 1.7	+ 0.9	+ 0.1	- 0.5	- 1.4	- 2.2	- 1.7	- 2.0	- 1.1	- 1.6	- 1.3	- 0.8	- 1.1	1.89
FEB	I	- 3.9	- 3.4	- 2.1	- 0.4	+ 2.0	+ 3.5	+ 4.9	+ 5.1	+ 4.6	+ 2.8	+ 1.6	+ 0.8	- 1.2	- 2.3	- 2.5	- 1.7	- 1.2	- 0.4	- 0.4	- 0.3	+ 0.6	- 0.4	- 2.4	- 3.5	2.16
MAR	II	- 3.1	- 3.4	- 2.4	- 0.2	+ 1.7	+ 3.2	+ 3.3	+ 3.7	+ 2.4	+ 1.3	+ 0.2	- 1.4	- 1.8	- 0.5	- 1.8	- 0.2	- 0.4	+ 0.4	+ 1.0	+ 0.1	+ 0.6	+ 0.1	- 0.7	- 1.8	1.49
APR	II	- 2.0	- 2.1	- 1.2	+ 0.9	+ 2.0	+ 3.1	+ 4.3	+ 4.6	+ 4.2	+ 0.7	- 1.8	- 2.9	- 1.5	- 1.8	- 1.1	- 1.8	- 1.6	- 0.2	+ 0.6	+ 0.8	- 0.1	- 0.6	- 1.0	- 1.8	1.78
MAY	III	+ 0.1	- 1.0	- 1.2	- 0.5	+ 0.9	+ 1.4	+ 2.3	+ 2.5	+ 1.8	+ 0.8	- 0.5	- 2.4	- 1.0	- 1.7	- 2.0	- 1.4	- 0.5	0.0	+ 0.1	+ 0.6	+ 1.0	+ 0.4	+ 0.4	+ 0.2	1.02
JUN	III	+ 1.1	- 0.5	- 0.8	- 1.0	- 0.6	+ 0.1	+ 1.3	+ 1.5	+ 1.4	+ 0.6	+ 0.3	- 0.2	- 0.9	- 1.2	- 1.2	- 1.8	- 1.2	- 0.2	- 0.5	+ 0.1	+ 0.5	+ 0.5	+ 1.1	+ 1.5	0.85
JUL	III	+ 0.4	- 0.9	- 1.5	- 1.0	- 0.5	+ 0.4	+ 1.5	+ 2.0	+ 1.9	+ 0.7	+ 0.2	+ 0.3	- 0.9	- 1.0	- 1.0	- 0.8	- 0.5	- 0.5	- 0.1	0.0	+ 0.3	+ 0.4	+ 0.3	+ 0.4	0.73
AUG	III	- 1.1	- 2.0	- 2.4	- 1.7	- 0.6	+1.1	+ 2.7	+ 3.8	+ 2.7	+ 1.0	+ 1.0	- 0.3	- 1.4	- 0.8	- 1.1	- 1.0	- 0.8	- 0.6	- 0.1	+ 0.6	+ 0.8	+0.1	+ 0.4	- 0.3	1.17
SEP	II	- 1.6	- 2.0	- 2.5	- 1.7	+ 0.2	+ 1.7	+ 2.7	+ 2.8	+ 2.0	+ 1.4	+ 0.8	- 0.4	- 0.4	- 1.4	- 2.1	- 0.8	- 0.7	- 0.1	0.0	+ 0.7	+ 0.7	+ 0.5	+ 0.5	- 0.1	1.15
OCT	II	- 3.4	- 3.5	- 2.5	- 0.6	+ 1.7	+ 3.0	+ 3.9	+ 3.7	+ 2.9	+ 2.0	+ 0.9	- 0.1	+ 0.1	0.0	- 0.7	- 0.7	- 1.2	- 0.5	- 0.6	- 0.9	- 0.5	- 0.2	- 0.8	- 2.1	1.51
NOV	I	- 4.2	- 4.2	- 3.9	- 1.0	+ 2.0	+ 4.1	+ 5.1	+ 5.5	+ 4.7	+ 3.5	+ 2.4	+ 1.1	- 0.1	- 1.0	- 1.2	- 0.8	- 0.5	- 1.8	- 1.4	- 1.2	- 1.1	- 1.3	- 1.9	- 2.9	2.37
DEC	I	- 3.4	- 3.6	- 2.0	+ 0.4	+ 2.1	+ 3.8	+ 4.4	+ 5.3	+ 3.9	+ 3.8	+ 3.3	+ 1.9	+ 0.9	+ 0.1	- 1.8	- 1.5	- 2.1	- 3.3	- 3.5	- 0.6	- 1.9	- 2.3	- 2.4	- 1.7	2.50
MEANS	I	- 3.6	- 3.6	- 2.6	- 0.4	+ 1.8	+ 3.4	+ 4.5	+ 5.1	+ 4.2	+ 3.3	+ 2.3	+ 1.4	+ 0.1	- 0.8	- 1.5	- 1.4	- 1.5	- 1.8	- 1.8	- 0.8	- 1.0	- 1.3	- 1.9	- 2.3	2.18
	II	- 2.5	- 2.8	- 2.2	- 0.4	+ 1.4	+ 2.8	+ 3.5	+ 3.7	+ 2.9	+ 1.3	0.0	- 1.2	- 0.9	- 0.9	- 1.4	- 0.9	- 1.0	- 0.1	+ 0.3	+ 0.2	+ 0.2	- 0.1	- 0.5	- 1.4	1.35
	III	+ 0.1	- 1.1	- 1.5	- 1.0	- 0.2	+ 0.7	+ 2.0	+ 2.5	+ 1.9	+ 0.8	+ 0.2	- 0.6	- 1.0	- 1.2	- 1.3	- 1.3	- 0.8	- 0.3	- 0.1	+ 0.3	+ 0.6	+ 0.3	+ 0.6	+ 0.5	0.88
	YEAR	- 2.0	- 2.5	- 2.1	- 0.6	+ 1.0	+ 2.3	+ 3.3	+ 3.7	+ 3.0	+ 1.8	+ 0.9	- 0.2	- 0.6	- 1.0	- 1.4	- 1.2	- 1.1	- 0.7	- 0.6	- 0.1	- 0.1	- 0.4	- 0.6	- 1.1	1.34

TABLE 411

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN. H. Z TOWARD NADIR. X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.23	-0.03	-0.02	+0.11	+0.14	+0.03	+0.05	-0.06	-0.16	-0.07	+0.08	+0.13	+0.22	+0.29	+0.36	+0.31	+0.15	-0.08	-0.24	-0.23	-0.23	-0.16	-0.17	-0.18	0.16
FEB	I	+0.02+	+0.10	+0.18	+0.345	+0.34	+0.23	+0.18	+0.04	+0.21	-0.35	-0.25	+0.01	+0.20	+0.39	+0.38	+0.18	+0.04	-0.16	-0.38	-0.35	-0.39	-0.22	-0.25	-0.01	0.22
MAR	II	+0.15	+0.18	+0.455	+0.39	+0.40	+0.34	+0.29	-0.04	-0.25	-0.25	+0.12	+0.46	+0.43	+0.36	+0.11	-0.24	-0.48	-0.64	-0.58	-0.65	-0.38	-0.18	-0.07	+0.11	0.31
APR	II	+0.01	+0.14	+0.31	+0.41	+0.34	+0.33	+0.35	+0.34	+0.18	+0.13	+0.20	+0.50	+0.58	+0.44	+0.10	-0.33	-0.63	-0.66	-0.74	-0.65	-0.59	-0.41	-0.20	-0.10	0.36
MAY	III	-0.05	+0.04	+0.15	+0.26	+0.26	+0.28	+0.34	+0.46	+0.52	+0.46	+0.38	+0.25	-0.02	-0.31	-0.46	-0.41	-0.30	-0.15	-0.23	-0.32	-0.40	-0.36	-0.17	-0.19	0.28
JUN	III	-0.21	-0.07	-0.02	+0.05	+0.14	+0.19	+0.32	+0.62	+0.75	+0.69	+0.55	+0.35	+0.03	-0.16	-0.24	-0.35	-0.31	-0.23	-0.26	-0.35	-0.42	-0.40	-0.32	-0.30	0.31
JUL	III	-0.26	-0.12	+0.01	+0.08	+0.12	+0.24	+0.36	+0.58	+0.65	+0.55	+0.44	+0.26	+0.06	-0.08	-0.14	-0.21	-0.28	-0.27	-0.19	-0.29	-0.40	-0.40	-0.39	-0.33	0.28
AUG	III	-0.19	-0.05	+0.12	+0.22	+0.28	+0.33	+0.45	+0.62	+0.57	+0.48	+0.37	+0.31	+0.30	+0.15	-0.09	-0.27	-0.42	-0.35	-0.39	-0.59	-0.59	-0.65	-0.41	-0.31	0.35
SEP	II	-0.05	+0.12	+0.17	+0.31	+0.41	+0.37	+0.33	+0.35	+0.22	+0.20	+0.22	+0.28	+0.16	+0.02	-0.17	-0.29	-0.36	-0.29	-0.28	-0.40	-0.45	-0.42	-0.35	-0.19	0.27
OCT	II	-0.06	+0.09	+0.17	+0.26	+0.15	+0.10	+0.14	+0.01	-0.25	-0.26	-0.01	+0.24	+0.32	+0.26	+0.16	+0.15	-0.06	-0.19	-0.21	-0.27	-0.26	-0.22	-0.17	-0.08	0.17
NOV	I	-0.01	+0.04	+0.03	+0.10	+0.11	+0.21	+0.21	+0.05	-0.17	-0.12	+0.01	+0.20	+0.40	+0.46	+0.37	+0.18	-0.11	-0.24	-0.27	-0.27	-0.32	-0.38	-0.29	-0.17	0.20
DEC	I	-0.14	-0.22	-0.18	0.00	-0.01	-0.05	+0.07	+0.17	+0.19	+0.27	+0.27	+0.41	+0.58	+0.48	+0.27	+0.15	-0.03	-0.16	-0.22	-0.30	-0.28	-0.34	-0.43	-0.55	0.24
MEANS	I	-0.09	-0.03	0.00	+0.14	+0.14	+0.10	+0.13	+0.05	-0.09	-0.07	+0.03	+0.19	+0.35	+0.40	+0.34	+0.20	+0.01	-0.16	-0.28	-0.29	-0.30	-0.28	-0.28	-0.23	0.17
	II	+0.01	+0.13	+0.28	+0.34	+0.32	+0.28	+0.28	+0.16	-0.02	-0.04	+0.13	+0.37	+0.37	+0.27	+0.05	-0.18	-0.38	-0.44	-0.45	-0.49	-0.42	-0.31	-0.20	-0.06	0.25
	III	-0.18	-0.05	+0.06	+0.15	+0.20	+0.26	+0.37	+0.57	+0.62	+0.54	+0.44	+0.29	+0.09	-0.10	-0.23	-0.31	-0.33	-0.25	-0.27	-0.39	-0.45	-0.43	-0.32	-0.28	0.30
	YEAR	-0.08	+0.02	+0.11	+0.21	+0.22	+0.22	+0.26	+0.26	+0.17	+0.14	+0.20	+0.28	+0.27	+0.19	+0.05	-0.09	-0.23	-0.28	-0.33	-0.39	-0.39	-0.34	-0.27	-0.19	0.22

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.23	-0.18	+0.01	0.00	+0.07	-0.04	-0.02	-0.09	-0.08	+0.09	+0.24	+0.28	+0.36	+0.42	+0.50	+0.43	+0.15	-0.07	-0.22	-0.29	-0.35	-0.32	-0.38	-0.27	0.21
FEB	I	-0.03	0.00	+0.05	+0.20	+0.19	+0.12	+0.06	-0.11	-0.34	-0.46	-0.32	-0.12	+0.12	+0.41	+0.46	+0.32	+0.16	+0.05	-0.10	-0.19	-0.22	-0.14	-0.09	-0.04	0.18
MAR	II	-0.10	-0.15	+0.05	+0.25	+0.30	+0.22	+0.09	-0.20	-0.36	-0.31	+0.04	+0.43	+0.47	+0.44	+0.28	+0.04	-0.16	-0.23	-0.18	-0.26	-0.25	-0.12	-0.10	-0.06	0.21
APR	II	-0.32	-0.21	-0.22	-0.07	+0.02	+0.11	+0.14	+0.18	+0.16	+0.12	+0.19	+0.29	+0.40	+0.29	+0.06	-0.12	-0.10	-0.06	-0.07	-0.11	-0.20	-0.17	-0.16	-0.07	0.16
MAY	III	-0.17	-0.09	-0.05	+0.08	+0.08	+0.11	+0.17	+0.42	+0.49	+0.47	+0.40	+0.30	+0.09	-0.25	-0.45	-0.35	-0.16	-0.02	-0.05	-0.16	-0.23	-0.27	-0.24	-0.13	0.22
JUN	III	-0.29	-0.28	-0.13	-0.10	-0.08	-0.01	+0.13	+0.41	+0.54	+0.58	+0.51	+0.40	+0.21	+0.01	-0.17	-0.19	-0.16	-0.12	-0.18	-0.22	-0.22	-0.23	-0.23	-0.21	0.23
JUL	III	-0.36	-0.23	-0.11	-0.09	-0.06	+0.13	+0.31	+0.51	+0.59	+0.50	+0.30	+0.08	-0.14	-0.38	-0.28	-0.16	-0.09	+0.07	+0.14	+0.08	-0.07	-0.19	-0.31	-0.30	0.23
AUG	III	-0.50	-0.40	-0.21	-0.01	+0.13	+0.17	+0.25	+0.43	+0.41	+0.36	+0.33	+0.38	+0.19	-0.02	-0.06	-0.14	-0.18	-0.09	-0.03	-0.12	-0.22	-0.25	-0.22	-0.17	0.12
SEP	II	-0.33	-0.03	-0.06	+0.01	+0.16	+0.20	+0.19	+0.13	+0.03	+0.12	+0.21	+0.30	+0.20	+0.05	-0.01	-0.09	-0.19	-0.11	-0.10	-0.14	-0.24	-0.18	-0.09	-0.03	0.13
OCT	II	-0.13	-0.02	+0.07	+0.19	-0.04	+0.01	+0.16	+0.13	-0.14	-0.17	-0.02	+0.27	+0.35	+0.34	+0.28	+0.13	-0.16	-0.28	-0.18	-0.12	-0.20	-0.15	-0.15	-0.12	0.16
NOV	I	-0.29	-0.10	-0.04	-0.03	-0.06	+0.01	-0.12	-0.24	-0.46	-0.32	-0.01	+0.31	+0.51	+0.50	+0.34	+0.22	+0.01	-0.09	-0.08	-0.02	-0.03	-0.01	+0.01	-0.03	0.16
DEC	I	-0.33	-0.22	-0.14	-0.12	-0.14	-0.09	+0.02	+0.15	+0.16	+0.21	+0.23	+0.36	+0.48	+0.46	+0.38	+0.23	+0.09	-0.13	-0.18	-0.22	-0.28	-0.28	-0.29	-0.31	0.23
MEANS	I	-0.22	-0.12	-0.03	+0.01	+0.02	0.00	-0.02	-0.07	-0.18	-0.12	+0.04	+0.21	+0.37	+0.45	+0.42	+0.30	+0.10	-0.06	-0.14	-0.18	-0.22	-0.19	-0.19	-0.16	0.16
	II	-0.22	-0.10	-0.04	+0.10	+0.11	+0.14	+0.14	+0.06	-0.08	-0.06	+0.10	+0.32	+0.36	+0.28	+0.15	-0.01	-0.15	-0.17	-0.13	-0.16	-0.22	-0.16	-0.12	-0.07	0.14
	III	-0.33	-0.25	-0.12	-0.03	+0.02	+0.10	+0.22	+0.44	+0.51	+0.48	+0.38	+0.29	+0.09	-0.16	-0.24	-0.21	-0.15	-0.04	-0.03	-0.10	-0.18	-0.24	-0.25	-0.20	0.21
	YEAR	-0.26	-0.16	-0.06	+0.03	+0.05	+0.08	+0.12	+0.14	+0.08	+0.10	+0.18	+0.27	+0.27	+0.19	+0.11	+0.03	-0.07	-0.09	-0.10	-0.15	-0.21	-0.19	-0.19	-0.14	0.14

TABLE 411--CONCLUDED

INCLINATION (I)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	-0.07	+0.17	+0.35	+0.37	+0.32	+0.31	+0.31	+0.22	-0.02	-0.18	-0.25	-0.32	-0.35	-0.27	-0.23	-0.12	-0.10	-0.02	+0.01	+0.01	+0.05	-0.06	-0.02	-0.09	0.18
FEB	I	-0.40	-0.56	-0.41	-0.20	-0.01	+0.31	+0.43	+0.37	+0.22	+0.10	-0.08	-0.13	-0.20	-0.16	-0.12	-0.09	-0.07	-0.04	+0.07	+0.24	+0.33	+0.28	+0.22	-0.05	0.21
MAR	II	-0.48	-0.60	-0.21	+0.17	+0.38	+0.35	+0.17	-0.02	-0.07	-0.16	-0.05	-0.06	-0.12	-0.13	-0.10	-0.06	-0.04	+0.04	+0.08	+0.15	+0.25	+0.30	+0.23	-0.10	0.18
APR	II	+0.08	-0.03	+0.02	+0.18	+0.29	+0.23	+0.04	-0.13	-0.06	+0.02	-0.04	-0.07	-0.12	-0.13	-0.25	-0.25	-0.22	-0.12	-0.07	-0.01	+0.08	+0.11	+0.14	+0.23	0.12
MAY	III	+0.37	+0.33	+0.22	+0.14	-0.03	-0.24	-0.47	-0.41	-0.23	-0.12	-0.16	-0.19	-0.22	-0.26	-0.22	-0.12	-0.05	-0.01	+0.09	+0.12	+0.19	+0.22	+0.32	+0.63	0.22
JUN	III	+0.31	+0.32	+0.39	+0.29	+0.07	-0.23	-0.41	-0.34	-0.25	-0.11	-0.14	-0.17	-0.28	-0.27	-0.26	-0.23	-0.15	-0.05	+0.06	+0.17	+0.18	+0.21	+0.31	+0.55	0.24
JUL	III	+0.43	+0.26	+0.13	-0.14	-0.24	-0.38	-0.29	-0.13	-0.05	+0.10	+0.09	+0.06	-0.03	-0.16	-0.36	-0.42	-0.35	-0.16	+0.01	+0.13	+0.16	+0.26	+0.47	+0.60	0.23
AUG	III	+0.16	+0.13	+0.14	+0.17	-0.09	-0.29	-0.30	-0.23	-0.14	-0.01	-0.01	-0.07	-0.18	-0.26	-0.36	-0.33	-0.23	-0.17	-0.04	+0.17	+0.33	+0.40	+0.53	+0.72	0.23
SEP	II	0.00	+0.11	+0.28	+0.30	0.00	-0.02	-0.05	-0.11	-0.14	-0.23	-0.27	-0.34	-0.41	-0.34	-0.30	-0.15	-0.06	-0.04	+0.09	+0.18	+0.28	+0.32	+0.41	+0.47	0.20
OCT	II	-0.35	-0.42	-0.25	+0.09	+0.17	+0.17	+0.20	+0.22	-0.11	-0.31	-0.15	-0.06	-0.15	-0.15	-0.16	-0.05	-0.02	-0.01	+0.13	+0.25	+0.16	+0.17	+0.31	+0.26	0.18
NOV	I	-0.48	-0.47	-0.22	+0.27	+0.52	+0.53	+0.21	+0.13	-0.08	-0.22	-0.16	-0.05	-0.04	-0.02	0.00	-0.05	-0.11	-0.08	-0.07	+0.01	+0.12	+0.14	+0.14	-0.04	0.17
DEC	I	+0.16	+0.34	+0.37	+0.38	+0.52	+0.56	+0.43	+0.28	-0.05	-0.27	-0.28	-0.29	-0.32	-0.29	-0.27	-0.30	-0.22	-0.09	-0.06	-0.18	-0.25	-0.15	-0.01	+0.05	0.26
MEANS	I	-0.20	-0.13	+0.02	+0.20	+0.34	+0.43	+0.34	+0.25	+0.02	-0.14	-0.19	-0.20	-0.23	-0.18	-0.16	-0.14	-0.12	-0.06	-0.01	+0.02	+0.06	+0.05	+0.08	-0.03	0.15
	II	-0.19	-0.24	-0.04	+0.18	+0.21	+0.18	+0.09	-0.01	-0.10	-0.17	-0.13	-0.13	-0.20	-0.19	-0.20	-0.13	-0.08	-0.03	+0.06	+0.14	+0.19	+0.22	+0.27	+0.22	0.15
	III	+0.32	+0.26	+0.22	+0.12	-0.07	-0.28	-0.37	-0.28	-0.16	-0.04	-0.06	-0.09	-0.18	-0.24	-0.30	-0.28	-0.20	-0.10	+0.03	+0.15	+0.22	+0.27	+0.41	+0.62	0.22
	YEAR	-0.02	-0.04	+0.07	+0.17	+0.16	+0.11	+0.02	-0101	-0.08	-0.12	-0.12	-0.14	-0.20	-0.20	-0.22	-0.18	-0.14	-0.06	+0.02	+0.10	+0.16	+0.18	+0.25	+0.27	0.13

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
JAN	I	+0.01	-0.14	+0.06	+0.01	-0.07	-0.16	+0.06	+0.18	+0.12	-0.39	-0.45	-0.35	-0.31	-0.06	0.00	-0.04	+0.03	+0.75	+0.12	+0.34	+0.06	-0.01	+0.21	+0.08	0.17
FEB	I	+0.62	+0.35	+0.19	+0.50	+0.22	+0.11	-0.13	-0.56	-0.11	-0.50	-1.02	-0.75	-0.79	-0.53	-0.68	-0.02	-0.06	+0.48	+0.56	+0.53	+0.59	+0.43	+0.27	+0.31	0.43
MAR	II	+0.55	+0.56	+0.44	+0.59	+0.09	+0.56	+0.01	-0.82	-1.32	-1.03	-1.11	-1.30	-0.53	-0.23	-0.30	+0.36	+0.01	+0.43	+0.81	+0.63	+0.67	+0.69	+0.47	-0.20	0.57
APR	II	+1.41	+1.34	+1.22	+1.79	+2.07	+1.89	+0.87	-0.56	-1.51	-2.58	-3.84	-3.06	-1.95	-1.25	-0.40	+0.04	+0.16	+0.43	+0.76	+0.89	+0.75	+0.64	+0.55	+0.49	1.27
MAY	III	+0.61	+0.51	+0.65	+0.59	+0.43	-0.24	-0.37	-0.14	-0.18	-0.36	-0.92	-0.94	-1.11	-0.89	+0.14	-0.31	-0.02	+0.24	+0.35	+0.59	+0.51	+0.31	+0.25	+0.23	0.45
JUN	III	+1.39	+1.18	+0.99	+0.60	+0.03	-0.20	-0.38	-0.84	-0.72	-0.68	-0.32	-0.27	-0.53	-0.59	-0.24	-0.63	-0.38	+0.07	-0.11	0.00	+0.33	+0.25	+0.35	+0.65	0.49
JUL	III	+1.04	+1.03	+1.07	+0.86	+0.56	+0.52	+0.33	+0.03	-0.46	-0.94	-0.80	-1.01	-1.28	-1.07	-0.70	-0.37	-0.31	-0.24	+0.01	+0.17	+0.21	+0.36	+0.42	+0.59	0.60
AUG	III	+1.08	+0.90	+0.47	+0.16	+0.39	+0.68	-0.18	-0.69	-1.26	-0.79	-0.93	-1.38	-0.96	-0.48	-0.07	+0.08	+0.35	+0.55	+0.48	+0.38	+0.40	+0.30	+0.26	+0.28	0.56
SEP	II	+0.75	+0.81	+0.51	+0.53	+0.45	+0.20	-0.26	-0.46	-0.67	-0.33	-0.21	-0.43	-0.63	-0.48	-0.59	-0.18	-0.26	+0.09	+0.12	+0.48	+0.35	+0.07	+0.06	+0.06	0.37
OCT	II	+0.13	0.00	+0.15	+0.09	+0.18	+0.28	+0.21	+0.39	+0.26	-0.06	-0.31	-0.56	-0.25	-0.33	-0.29	-0.49	-0.21	+0.19	+0.27	+0.23	+0.19	+0.09	+0.06	-0.19	0.23
NOV	I	+0.43	+0.51	+0.40	+0.22	+0.40	+0.54	+0.39	+0.16	-0.26	-0.31	-0.22	-0.47	-0.81	-1.09	-0.91	-0.15	+0.35	+0.21	-0.18	-0.01	-0.03	+0.18	+0.39	+0.31	0.37
DEC	I	+1.35	+1.39	+1.12	+1.11	+1.52	+1.44	+1.00	+0.65	+0.16	+0.16	+0.33	-0.21	-0.08	-0.37	-0.87	-1.77	-0.67	-1.52	-1.37	-0.95	-1.01	-0.97	-0.54	+0.04	0.86
MEANS	I	+0.60	+0.53	+0.44	+0.46	+0.52	+0.48	+0.33	+0.11	-0.02	-0.26	-0.34	-0.44	-0.50	-0.51	-0.62	-0.50	-0.09	-0.02	-0.22	-0.02	-0.10	-0.09	+0.08	+0.18	0.31
	II	+0.71	+0.68	+0.58	+0.75	+0.70	+0.73	+0.21	-0.36	-0.81	-1.02	-1.37	-1.34	-0.84	-0.57	-0.40	-0.07	-0.08	+0.28	+0.49	+0.56	+0.49	+0.37	+0.28	+0.04	0.57
	III	+1.03	+0.90	+0.80	+0.55	+0.35	+0.19	-0.15	-0.41	-0.66	-0.69	-0.74	-0.90	-0.97	-0.76	-0.22	-0.31	-0.09	+0.16	+0.18	+0.28	+0.36	+0.30	+0.32	+0.44	0.49
	YEAR	+0.78	+0.70	+0.61	+0.59	+0.52	+0.47	+0.13	-0.22	-0.50	-0.66	-0.82	-0.89	-0.77	-0.61	-0.41	-0.29	-0.08	+0.14	+0.15	+0.27	+0.25	+0.20	+0.23	+0.22	0.44

TABLE 412

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	+ 2	+ 2	+ 3	+ 4	+ 2	+ 3	+ 2	0	0	- 2	- 4	- 6	- 6	- 4	- 2	0	- 1	- 2	- 1	0	+ 2	+ 3	+ 2	2.2
FEB	I	+ 3	+ 4	+ 4	+ 6	+ 6	+ 6	+ 7	+ 7	+ 2	- 3	- 7	- 8	- 9	- 7	- 6	- 4	- 2	- 1	- 3	- 2	- 1	+ 2	+ 1	+ 4	4.4
MAR	II	+ 5	+ 5	+ 8	+ 7	+ 7	+ 7	+ 8	+ 4	+ 1	- 2	- 2	- 3	- 6	- 6	- 6	- 8	- 8	- 8	- 6	- 6	- 1	+ 1	+ 3	+ 6	5.1
APR	II	+ 2	+ 3	+ 5	+ 6	+ 6	+ 6	+ 7	+ 8	+ 6	+ 3	+ 1	+ 2	+ 1	- 1	- 4	- 9	-10	- 9	- 8	- 6	- 5	- 3	0	+ 1	4.7
MAY	III	- 1	0	+ 2	+ 3	+ 4	+ 4	+ 6	+ 8	+11	+10	+ 8	+ 2	- 4	-10	-13	-11	- 5	- 1	- 1	- 1	- 4	- 3	0	- 2	4.8
JUN	III	- 3	- 2	- 2	0	+ 1	+ 2	+ 4	+ 9	+13	+14	+11	+ 6	- 1	- 6	- 8	-10	- 6	- 2	- 2	- 3	- 4	- 4	- 3	- 4	5.0
JUL	III	- 4	- 3	- 1	0	+ 1	+ 4	+ 6	+ 9	+13	+13	+10	+ 5	- 1	- 6	- 9	- 8	- 6	- 2	- 1	- 2	- 4	- 4	- 4	- 4	5.0
AUG	III	- 2	- 1	+ 1	+ 3	+ 4	+ 5	+ 7	+12	+14	+13	+10	+ 5	0	- 6	-10	-12	-10	- 5	- 5	- 7	- 6	- 5	- 4	- 3	6.2
SEP	II	0	+ 2	+ 3	+ 5	+ 6	+ 6	+ 7	+10	+10	+ 9	+ 6	+ 1	- 7	-11	-13	-11	- 8	- 4	- 2	- 3	- 3	- 2	- 2	0	5.5
OCT	II	+ 2	+ 3	+ 4	+ 5	+ 4	+ 4	+ 6	+ 7	+ 4	+ 1	- 3	- 6	- 9	-10	- 8	- 3	- 1	- 1	0	0	0	0	+ 1	+ 2	3.5
NOV	I	+ 2	+ 3	+ 2	+ 2	+ 3	+ 6	+ 9	+ 8	+ 4	+ 2	- 2	- 6	- 7	- 6	- 5	- 3	- 3	- 2	- 1	- 1	- 1	- 2	- 1	+ 1	3.4
DEC	I	0	- 2	- 2	- 1	0	+ 1	+ 4	+ 6	+ 6	+ 6	+ 2	- 1	0	- 3	- 4	- 3	- 2	- 1	- 1	- 1	0	- 1	- 2	- 5	2.3
MEANS	I	+ 1.8	+ 1.8	+ 1.4	+ 2.8	+ 3.4	+ 4.0	+ 5.9	+ 5.8	+ 3.2	+ 1.2	- 2.2	- 4.8	- 5.4	- 5.4	- 4.5	- 3.0	- 1.6	- 1.5	- 1.8	- 1.5	- 0.6	+ 0.3	+ 0.4	+ 0.6	2.7
	II	+ 2.2	+ 3.2	+ 5.1	+ 5.7	+ 5.8	+ 5.7	+ 6.9	+ 7.2	+ 5.2	+ 2.6	+ 0.4	- 1.3	- 4.9	- 6.9	- 8.0	- 7.8	- 6.8	- 5.3	- 4.0	- 3.8	- 2.4	- 1.0	+ 0.5	+ 1.8	4.4
	III	- 2.5	- 1.3	+ 0.1	+ 1.5	+ 2.4	+ 4.0	+ 5.7	+ 9.4	+12.4	+12.7	+ 9.8	+ 4.4	- 1.7	- 7.1	-10.2	- 9.9	- 6.6	- 2.6	- 2.3	- 3.4	- 4.2	- 4.1	- 3.0	- 3.2	5.2
	YEAR	+ 0.5	+ 1.2	+ 2.2	+ 3.3	+ 3.9	+ 4.6	+ 6.2	+ 7.5	+ 7.0	+ 5.5	+ 2.6	- 0.6	- 4.0	- 6.5	- 7.6	- 6.9	- 5.0	- 3.1	- 2.7	- 2.9	- 2.4	- 1.6	- 0.7	- 0.2	3.7

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	0	0	+ 2	+ 2	+ 3	+ 2	+ 4	+ 4	+ 2	+ 2	+ 1	- 2	- 3	- 4	- 1	+ 1	0	- 1	- 2	- 2	- 3	- 1	- 2	- 1	1.9
FEB	I	+ 3	+ 3	+ 3	+ 5	+ 5	+ 5	+ 5	+ 5	+ 1	- 3	- 6	- 9	-10	- 8	- 5	- 3	- 1	+ 1	0	0	0	+ 1	+ 2	+ 3	3.6
MAR	II	+ 1	0	+ 2	+ 5	+ 5	+ 5	+ 5	+ 2	- 1	- 3	- 2	- 2	- 4	- 3	- 2	- 3	- 3	- 2	- 1	- 1	- 1	+ 1	+ 1	+ 2	2.4
APR	II	- 4	- 3	- 3	- 1	+ 1	+ 3	+ 4	+ 6	+ 6	+ 4	+ 2	0	0	- 2	- 4	- 5	- 2	0	+ 1	+ 1	0	0	0	+ 1	2.2
MAY	III	- 3	- 2	- 1	0	+ 2	+ 2	+ 4	+ 8	+12	+12	+ 8	+ 3	- 3	-10	-13	-10	- 3	+ 1	+ 1	0	- 2	- 3	- 2	- 2	4.5
JUN	III	- 4	- 5	- 3	- 3	- 2	- 1	+ 1	+ 5	+10	+12	+10	+ 6	+ 2	- 3	- 7	- 7	- 3	0	- 1	- 1	- 1	- 1	- 2	- 2	3.9
JUL	III	- 5	- 4	- 3	- 2	- 2	+ 1	+ 4	+ 8	+12	+13	+ 9	+ 3	- 4	-11	-11	- 8	- 3	+ 2	+ 4	+ 3	+ 1	- 1	- 3	- 3	5.1
AUG	III	- 7	- 6	- 4	- 1	+ 1	+ 3	+ 4	+ 9	+11	+12	+10	+ 6	- 2	- 8	- 9	- 9	- 6	- 2	+ 1	0	- 1	- 1	- 1	- 1	4.8
SEP	II	- 4	0	0	0	+ 2	+ 4	+ 5	+ 7	+ 7	+ 8	+ 6	+ 2	- 7	-12	-11	- 8	- 5	- 1	+ 1	+ 1	0	+ 1	+ 2	+ 2	4.0
OCT	II	0	+ 2	+ 2	+ 4	0	+ 2	+ 6	+10	+ 7	+ 4	- 2	- 5	- 9	- 9	- 7	- 4	- 3	- 2	0	+ 1	+ 1	+ 1	+ 1	+ 1	3.5
NOV	I	- 2	+ 1	+ 1	0	0	+ 4	+ 4	+ 4	- 1	- 1	- 3	- 5	- 6	- 6	- 5	- 2	0	0	+ 2	+ 3	+ 2	+ 3	+ 3	+ 2	2.5
DEC	I	- 3	- 1	- 1	- 1	- 1	+ 1	+ 4	+ 6	+ 6	+ 6	+ 3	0	- 1	- 2	- 1	- 1	0	- 2	- 1	- 2	- 2	- 2	- 2	- 2	2.2
MEANS	I	- 0.2	+ 0.5	+ 1.3	+ 1.7	+ 2.0	+ 3.0	+ 4.3	+ 4.6	+ 2.2	+ 1.0	- 1.3	- 3.8	- 4.9	- 4.8	- 3.0	- 1.1	- 0.4	- 0.3	- 0.4	- 0.6	- 0.7	+ 0.2	+ 0.4	+ 0.6	1.8
	II	- 1.6	- 0.6	+ 0.2	+ 1.9	+ 2.2	+ 3.2	+ 5.0	+ 6.0	+ 4.9	+ 3.2	+ 1.2	- 1.3	- 4.9	- 6.5	- 6.2	- 4.9	- 3.4	- 1.3	+ 0.2	+ 0.4	- 0.2	+ 0.8	+ 1.0	+ 1.7	2.6
	III	- 4.6	- 4.2	- 2.9	- 1.5	- 0.4	+ 1.4	+ 3.4	+ 7.5	+11.2	+12.1	+ 9.5	+ 4.8	- 1.8	- 7.8	-10.2	- 8.4	- 4.1	+ 0.4	+ 1.2	+ 0.4	- 0.7	- 1.5	- 1.9	- 2.0	4.3
	YEAR	- 2.2	- 1.4	- 0.5	+ 0.7	+ 1.2	+ 2.5	+ 4.2	+ 6.0	+ 6.1	+ 5.4	+ 3.1	- 0.1	- 3.9	- 6.4	- 6.5	- 4.8	- 2.6	- 0.4	+ 0.3	0.0	- 0.5	- 0.2	- 0.2	+ 0.1	2.5

TABLE 412--CONCLUDED

HORIZONTAL INTENSITY (H)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	+ 4	+ 3	+ 2	- 1	- 2	- 2	- 1	- 3	- 4	- 4	- 4	- 4	- 2	0	0	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 4	+ 3	2.4
FEB	I	+ 2	- 3	- 6	-10	-12	- 9	- 6	- 3	0	+ 2	+ 1	+ 1	0	+ 1	+ 2	+ 2	+ 2	+ 2	+ 3	+ 6	+ 7	+ 7	+ 8	+ 7	4.2
MAR	II	- 2	- 6	- 7	- 6	- 6	- 6	- 5	- 4	- 2	- 2	+ 1	+ 1	+ 1	+ 1	+ 2	+ 3	+ 2	+ 3	+ 4	+ 4	+ 6	+ 7	+ 7	+ 4	3.8
APR	II	+ 6	+ 2	0	- 1	- 3	- 4	- 5	- 6	- 2	+ 1	+ 1	+ 1	+ 1	0	- 2	- 2	- 2	- 2	- 1	0	+ 2	+ 3	+ 4	+ 7	2.4
MAY	III	+10	+10	+ 6	+ 1	- 4	- 9	-13	-10	- 4	0	- 1	- 1	- 2	- 3	- 2	- 2	- 1	0	+ 1	+ 2	+ 3	+ 4	+ 6	+11	4.5
JUN	III	+ 6	+ 8	+ 8	+ 4	- 2	- 8	-12	-10	- 5	0	0	0	- 2	- 2	- 2	- 2	- 2	- 1	0	+ 2	+ 2	+ 3	+ 5	+ 9	4.0
JUL	III	+10	+10	+ 7	0	- 6	-12	-12	- 8	- 2	+ 3	+ 3	+ 3	+ 1	- 1	- 4	- 5	- 5	- 3	- 1	+ 1	+ 2	+ 3	+ 6	+10	4.8
AUG	III	+ 8	+ 7	+ 6	+ 2	- 7	-13	-13	-10	- 6	0	+ 1	+ 1	0	- 1	- 3	- 3	- 2	- 2	- 1	+ 2	+ 5	+ 7	+ 9	+14	5.1
SEP	II	+ 7	+ 8	+ 8	+ 2	-11	-14	-12	- 9	- 5	- 3	- 2	- 3	- 3	- 2	- 2	0	0	0	+ 2	+ 4	+ 5	+ 7	+ 9	+13	5.4
OCT	II	+ 4	0	- 5	- 7	-11	-12	- 9	- 4	- 3	- 3	0	+ 2	+ 2	+ 1	0	+ 2	+ 2	+ 2	+ 4	+ 5	+ 4	+ 5	+ 9	+12	4.5
NOV	I	- 2	- 4	- 7	- 6	- 5	- 4	- 6	- 3	- 2	- 2	0	+ 2	+ 2	+ 2	+ 3	+ 1	+ 1	+ 1	+ 1	+ 2	+ 5	+ 7	+ 9	+ 7	3.4
DEC	I	+ 4	+ 7	+ 4	+ 1	0	0	+ 1	+ 2	- 1	- 4	- 3	- 4	- 4	- 3	- 2	- 3	- 2	0	0	- 2	- 2	+ I	+ 4	+ 5	2.5
MEANS	I	+ 1.6	+ 0.8	- 1.4	- 3.2	- 4.4	- 4.0	- 3.2	- 1.2	- 1.8	- 2.1	- 1.8	- 1.4	- 1.6	- 0.4	+ 0.4	+ 0.2	+ 0.4	+ 1.2	+ 1.6	+ 2.0	+ 3.0	+ 4.2	+ 6.1	+ 5.4	2.2
	II	+ 3.7	+ 1.0	- 1.0	- 3.1	- 7.5	- 8.7	- 8.0	- 5.6	- 3.1	- 1.2	- 0.1	+ 0.4	- 0.1	0.0	- 0.4	+ 0.7	+ 0.7	+ 1.0	+ 2.1	+ 3.2	+ 4.2	+ 5.2	+ 7.3	+ 8.9	3.2
	III	+ 8.6	+ 8.7	+ 6.8	+ 1.6	- 4.8	-10.4	-12.4	- 9.4	- 4.2	+ 0.4	+ 0.8	+ 0.5	- 0.7	- 1.6	- 2.8	- 3.0	- 2.5	- 1.6	- 0.1	+ 1.6	+ 3.0	+ 4.3	+ 6.4	+10.8	4.5
	YEAR	+ 4.6	+ 3.5	+ 1.4	- 1.6	- 5.6	- 7.7	- 7.9	- 5.4	- 3.0	- 1.2	- 0.3	- 0.2	- 0.8	- 0.6	- 0.9	- 0.7	- 0.5	+ 0.2	+ 1.2	+ 2.3	+ 3.4	+ 4.6	+ 6.6	+ 8.3	3.0

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 3	- 1	0	- 6	- 9	-11	- 9	- 5	- 2	- 5	- 3	- 3	0	+ 5	+ 7	+ 7	+ 7	+17	+ 4	+ 5	+ 1	- 2	0	0	4.6
FEB	I	+14	+ 6	- 2	- 1	- 9	-12	-16	-18	- 5	- 5	-10	- 6	- 2	+ 2	- 2	+ 5	+ 2	+ 8	+ 9	+ 8	+ 7	+ 7	+ 9	+10	7.3
MAR	II	+13	+10	+ 1	- 3	-13	- 4	- 9	-18	-19	-13	-12	-13	0	+ 1	+ 2	+ 9	+ 2	+ 7	+12	+11	+11	+13	+11	+ 2	8.7
APR	II	+24	+20	+14	+20	+24	+22	+ 7	-13	-24	-38	-47	-36	-26	-16	- 5	+ 3	+ 4	+ 5	+ 9	+12	+11	+11	+11	+11	17.1
MAY	III	+10	+10	+11	+ 8	+ 3	- 9	-11	- 6	- 2	- 3	-10	- 7	-14	-10	+ 6	- 4	- 2	+ 2	+ 4	+ 8	+ 6	+ 4	+ 3	+ 3	6.5
JUN	III	+22	+23	+19	+11	- 1	- 6	-11	-18	-13	- 9	- 3	- 2	- 4	- 5	- 1	- 6	- 5	- 1	- 3	- 2	+ 3	+ 2	+ 3	+ 7	7.5
JUL	III	+19	+21	+20	+13	+ 6	+ 3	- 2	- 5	- 9	-13	-10	-13	-16	-13	- 9	- 5	- 5	- 5	- 1	+ 1	+ 2	+ 5	+ 6	+ 9	8.8
AUG	III	+22	+20	+10	+ 1	+ 1	+ 1	-14	-20	-22	-10	-12	-16	- 8	- 4	+ 1	+ 2	+ 6	+ 8	+ 7	+ 4	+ 5	+ 6	+ 4	+ 7	8.9
SEP	II	+18	+17	+ 9	+ 5	- 2	- 9	-14	-13	-11	- 3	- 1	- 2	- 5	- 2	- 4	- 1	- 3	+ 1	+ 1	+ 6	+ 4	+ 1	+ 2	+ 4	5.8
OCT	II	+ 6	0	- 4	-11	-10	- 8	- 6	+ 2	+ 4	+ 2	0	- 2	+ 1	0	0	- 4	+ 1	+ 4	+ 6	+ 5	+ 4	+ 3	+ 4	+ 3	3.9
NOV	I	+13	+11	+ 3	- 8	- 9	- 6	- 6	- 5	- 6	- 4	0	- 2	- 5	- 9	- 8	+ 2	+ 9	+ 8	- 1	0	+ 1	+ 5	+ 9	+ 9	5.7
DEC	I	+24	+23	+14	+10	+14	+12	+ 7	+ 4	+ 3	+ 4	+10	+ 5	+ 8	+ 4	0	-21	- 7	-22	-22	-22	-19	-17	-10	- 3	11.9
MEANS	I	+13.5	+ 9.7	+ 3.7	- 0.9	- 3.2	- 4.4	- 5.9	- 6.2	- 2.5	- 2.3	- 1.0	- 1.5	+ 0.5	+ 0.8	- 0.9	- 1.9	+ 2.8	+ 2.7	- 2.4	- 2.0	- 2.6	- 1.9	+ 1.9	+ 4.1	3.3
	II	+15.6	+11.9	+ 5.0	+ 2.6	- 0.4	0.0	- 5.8	-10.6	-12.6	-12.8	-15.0	-13.2	- 7.4	- 4.2	- 1.5	+ 1.6	+ 0.9	+ 4.2	+ 7.0	+ 8.4	+ 7.8	+ 6.8	+ 6.9	+ 4.9	7.0
	III	+18.3	+18.4	+15.2	+ 8.0	+ 2.3	- 2.8	- 9.8	-12.0	-11.6	- 8.6	- 8.8	- 9.5	-10.6	- 8.2	- 0.6	- 3.1	- 1.5	+ 1.0	+ 1.6	+ 2.7	+ 4.0	+ 4.2	+ 4.2	+ 6.6	7.2
	YEAR	+15.8	+13.3	+ 8.0	+ 3.3	- 0.4	- 2.4	- 7.1	- 9.6	- 8.9	- 7.9	- 8.3	- 8.1	- 5.9	- 3.9	- 1.0	- 1.1	+ 0.7	+ 2.7	+ 2.1	+ 3.0	+ 3.1	+ 3.1	+ 4.3	+ 5.2	5.4

TABLE 413

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKDNED PDSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-16	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	0	+ 2	+ 1	+ 3	+ 3	+ 2	+ 3	+ 1	- 1	- 1	- 2	- 4	- 5	- 5	- 3	0	+ 1	0	- 1	- 1	+ 1	+ 2	+ 3	+ 2	2.0
FEB	I	+ 3	+ 4	+ 4	+ 6	+ 6	+ 6	+ 7	+ 6	+ 1	- 4	- 8	- 9	- 8	- 6	- 4	- 3	0	0	- 2	- 2	- 1	+ 2	+ 1	+ 4	4.1
MAR	II	+ 5	+ 6	+ 8	+ 7	+ 7	+ 7	+ 7	+ 3	0	- 4	- 3	- 3	- 5	- 5	- 5	- 7	- 7	- 7	- 6	- 6	- 1	+ 1	+ 3	+ 5	4.9
APR	II	+ 2	+ 3	+ 5	+ 6	+ 6	+ 6	+ 7	+ 8	+ 5	+ 2	0	+ 2	+ 1	0	- 4	- 8	-10	- 8	- 8	- 6	- 6	- 3	- 1	0	4.4
MAY	III	- 1	0	+ 2	+ 3	+ 4	+ 5	+ 6	+ 8	+10	+10	+ 7	+ 2	- 4	-10	-13	-10	- 5	0	- 1	- 2	- 4	- 3	- 1	- 2	4.7
JUN	III	- 3	- 2	- 2	0	+ 1	+ 3	+ 4	+ 9	+13	+14	+11	+ 5	- 2	- 6	- 8	- 9	- 5	- 2	- 2	- 3	- 4	- 4	- 4	- 4	5.0
JUL	III	- 4	- 3	- 1	0	+ 1	+ 4	+ 6	+ 9	+13	+13	+10	+ 4	- 2	- 6	- 8	- 7	- 5	- 2	- 1	- 2	- 4	- 4	- 5	- 4	5.0
AUG	III	- 2	- 1	+ 1	+ 3	+ 4	+ 5	+ 8	+12	+13	+13	+ 9	+ 4	- 1	- 6	-10	-11	- 9	- 5	- 6	- 7	- 6	- 5	- 4	- 3	6.0
SEP	II	0	+ 2	+ 3	+ 5	+ 6	+ 6	+ 7	+10	+ 9	+ 8	+ 5	0	- 7	-11	-12	-10	- 7	- 3	- 2	- 3	- 3	- 3	- 2	0	5.2
OCT	II	+ 2	+ 3	+ 4	+ 5	+ 4	+ 4	+ 6	+ 6	+ 3	- 1	- 4	- 6	- 8	- 9	- 7	- 2	0	0	0	0	0	+ 1	+ 1	+ 2	3.2
NOV	I	+ 2	+ 2	+ 2	+ 2	+ 3	+ 6	+ 8	+ 7	+ 2	0	- 4	- 7	- 6	- 5	- 3	- 2	- 2	- 2	- 1	- 1	- 1	- 2	- 1	0	2.9
DEC	I	0	- 2	- 2	- 1	0	+ 1	+ 4	+ 5	+ 5	+ 5	+ 1	- 1	0	- 2	- 3	- 2	0	0	0	- 1	0	- 1	- 2	- 5	1.8
MEANS	I	+ 1.6	+ 1.6	+ 1.2	+ 2.7	+ 3.2	+ 3.6	+ 5.2	+ 4.7	+ 1.8	- 0.2	- 3.3	- 5.2	- 5.1	- 4.5	- 3.2	- 1.6	- 0.4	- 0.6	- 1.1	- 1.0	- 0.3	+ 0.4	+ 0.3	+ 0.4	2.2
	II	+ 2.1	+ 3.1	+ 5.1	+ 5.8	+ 5.8	+ 5.6	+ 6.7	+ 6.6	+ 4.2	+ 1.3	- 0.6	- 1.8	- 4.6	- 6.1	- 6.9	- 6.6	- 6.0	- 4.8	- 3.7	- 3.8	- 2.4	- 1.0	+ 0.3	+ 1.7	4.0
	III	- 2.6	- 1.4	+ 0.2	+ 1.6	+ 2.6	+ 4.1	+ 5.9	+ 9.6	+12.4	+12.3	+ 9.2	+ 3.9	- 2.0	- 7.0	- 9.8	- 9.2	- 6.0	- 2.4	- 2.2	- 3.4	- 4.4	- 4.4	- 3.3	- 3.4	5.1
	YEAR	+ 0.3	+ 1.1	+ 2.2	+ 3.4	+ 3.9	+ 4.5	+ 5.9	+ 7.0	+ 6.2	+ 4.4	+ 1.7	- 1.0	- 3.9	- 5.8	- 6.6	- 5.8	- 4.1	- 2.6	- 2.4	- 2.7	- 2.4	- 1.7	- 0.9	- 0.4	3.4

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	0	- 1	+ 2	+ 2	+ 3	+ 2	+ 4	+ 3	+ 1	+ 1	0	- 2	- 3	- 3	0	+ 2	+ 1	0	- 1	- 2	- 2	- 1	- 2	- 1	1.6
FEB	I	+ 3	+ 3	+ 3	+ 5	+ 5	+ 5	+ 5	+ 4	0	- 4	- 7	- 9	-10	- 7	- 4	- 2	0	+ 2	+ 1	0	0	+ 2	+ 2	+ 3	3.6
MAR	II	+ 1	0	+ 2	+ 5	+ 5	+ 5	+ 4	+ 1	- 2	- 4	- 3	- 3	- 3	- 2	- 1	- 2	- 2	- 2	0	- 1	- 1	+ 1	+ 1	+ 2	2.3
APR	II	- 4	- 3	- 3	- 1	+ 1	+ 2	+ 4	+ 5	+ 5	+ 3	+ 2	0	0	- 2	- 4	- 4	- 2	0	+ 1	+ 1	0	0	0	+ 1	2.0
MAY	III	- 3	- 2	- 1	+ 1	+ 2	+ 3	+ 4	+ 8	+11	+11	+ 8	+ 3	- 3	-10	-13	- 9	- 3	+ 2	+ 1	0	- 2	- 3	- 3	- 2	4.4
JUN	III	- 4	- 5	- 4	- 3	- 2	- 1	+ 1	+ 6	+10	+12	+10	+ 6	+ 2	- 3	- 6	- 6	- 3	0	- 1	- 1	- 1	- 2	- 2	- 2	3.8
JUL	III	- 5	- 4	- 2	- 2	- 2	+ 1	+ 4	+ 8	+12	+13	+ 9	+ 3	- 4	-11	-11	- 7	- 3	+ 2	+ 4	+ 3	+ 1	- 1	- 3	- 3	5.0
AUG	III	- 7	- 6	- 4	- 1	+ 1	+ 3	+ 4	+ 9	+11	+11	+ 9	+ 6	- 2	- 8	- 9	- 8	- 6	- 1	+ 1	0	- 1	- 1	- 1	- 1	4.6
SEP	II	- 4	0	0	0	+ 2	+ 4	+ 5	+ 7	+ 7	+ 7	+ 5	0	- 7	-11	-10	- 7	- 4	0	+ 1	+ 1	0	+ 1	+ 2	+ 2	3.7
OCT	II	0	+ 2	+ 2	+ 4	0	+ 2	+ 6	+ 9	+ 6	+ 2	- 3	- 6	- 8	- 8	- 6	- 3	- 2	- 2	0	+ 1	+ 1	+ 1	+ 1	+ 1	3.2
NOV	I	- 2	0	+ 1	0	0	+ 4	+ 4	+ 3	- 2	- 3	- 5	- 6	- 5	- 5	- 3	0	+ 1	+ 1	+ 2	+ 3	+ 3	+ 3	+ 4	+ 2	2.6
DEC	I	- 3	- 2	- 1	- 1	- 1	+ 1	+ 3	+ 5	+ 5	+ 5	+ 2	0	- 1	- 2	0	0	0	- 1	- 1	- 1	- 2	- 2	- 2	- 2	1.7
MEANS	I	- 0.4	+ 0.4	+ 1.2	+ 1.6	+ 1.8	+ 2.7	+ 3.7	+ 3.6	+ 0.9	- 0.4	- 2.5	- 4.4	- 4.8	- 4.0	- 1.9	0.0	+ 0.6	+ 0.5	+ 0.2	0.0	- 0.3	+ 0.6	+ 0.6	+ 0.6	1.6
	II	- 1.7	- 0.6	+ 0.2	+ 1.9	+ 2.2	+ 3.2	+ 4.8	+ 5.4	+ 3.9	+ 2.0	0.0	- 1.9	- 4.7	- 5.8	- 6.1	- 3.9	- 2.6	- 0.8	+ 0.4	+ 0.5	0.0	+ 0.8	+ 1.0	+ 1.6	2.3
	III	- 4.8	- 4.3	- 2.8	- 1.4	- 0.3	+ 1.5	+ 3.5	+ 7.6	+11.1	+11.7	+ 8.9	+ 4.2	- 2.1	- 7.7	- 9.8	- 7.8	- 3.6	+ 0.6	+ 1.3	+ 0.4	- 0.8	- 1.7	- 2.1	- 2.1	4.3
	YEAR	- 2.3	- 1.5	- 0.5	+ 0.7	+ 1.2	+ 2.5	+ 4.0	+ 5.6	+ 5.3	+ 4.4	+ 2.1	- 0.7	- 3.9	- 6.8	- 5.6	- 3.9	- 1.8	+ 0.1	+ 0.6	+ 0.3	- 0.4	- 0.1	- 0.2	0.0	2.2

TABLE 413--CONCLUDED

NORTH COMPONENT (X)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 1	+ 2	+ 2	+ 1	- 1	- 2	- 1	0	- 2	- 4	- 4	- 4	- 4	- 1	0	+ 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 3	+ 2	2.0
FEB	I	0	- 5	- 8	-10	-12	- 9	- 5	- 2	+ 1	+ 2	+ 1	+ 1	0	+ 1	+ 2	+ 2	+ 2	+ 2	+ 3	+ 6	+ 7	+ 7	+ 8	+ 6	4.3
MAR	II	- 3	- 8	- 8	- 6	- 6	- 5	- 4	- 3	- 1	- 1	+ 1	+ 2	+ 1	+ 1	+ 2	+ 3	+ 2	+ 3	+ 4	+ 4	+ 6	+ 6	+ 7	+ 3	3.7
APR	II	+ 5	+ 1	- 1	- 2	- 2	- 4	- 4	- 5	- 2	+ 1	+ 1	+ 1	+ 1	0	- 2	- 2	- 2	- 2	- 1	0	+ 2	+ 3	+ 4	+ 7	2.3
MAY	III	+ 9	+ 9	+ 5	0	- 5	- 9	-12	-10	- 4	0	- 1	- 1	- 2	- 3	- 3	- 2	- 1	0	+ 1	+ 2	+ 3	+ 4	+ 6	+11	4.3
JUN	III	+ 6	+ 8	+ 8	+ 3	- 2	- 8	-11	- 9	- 4	0	0	0	- 2	- 2	- 2	- 3	- 2	- 1	0	+ 2	+ 2	+ 4	+ 5	+ 9	4.0
JUL	III	+10	+ 9	+ 6	- 1	- 6	-11	-12	- 7	- 2	+ 3	+ 3	+ 3	+ 1	- 1	- 4	- 5	- 5	- 3	0	+ 1	+ 2	+ 3	+ 6	+10	4.8
AUG	III	+ 7	+ 7	+ 5	+ 1	- 8	-13	-13	-10	- 5	0	+ 2	+ 1	0	- 1	- 3	- 3	- 2	- 2	0	+ 2	+ 5	+ 7	+ 9	+14	5.0
SEP	II	+ 6	+ 7	+ 6	+ 1	-11	-13	-11	- 8	- 4	- 2	- 2	- 2	- 3	- 2	- 2	0	0	0	+ 2	+ 4	+ 5	+ 7	+ 9	+12	5.0
OCT	II	+ 2	- 2	- 6	- 8	-10	-11	- 8	- 3	- 2	- 3	0	+ 2	+ 2	+ 1	+ 1	+ 2	+ 2	+ 2	+ 4	+ 5	+ 4	+ 5	+ 9	+11	4.3
NOV	I	- 4	- 6	- 9	- 7	- 4	- 3	- 4	- 1	- 1	- 1	0	+ 2	+ 2	+ 2	+ 3	+ 2	+ 1	+ 1	+ 1	+ 2	+ 5	+ 7	+ 8	+ 5	3.4
DEC	I	+ 4	+ 6	+ 4	+ 1	0	+ 1	+ 2	+ 3	- 1	- 3	- 3	- 3	- 3	- 3	- 2	- 3	- 2	0	0	- 2	- 2	0	+ 3	+ 4	2.3
MEANS	I	+ 0.3	- 0.7	- 2.7	- 3.9	- 4.2	- 3.3	- 2.2	- 0.2	- 0.9	- 1.4	- 1.2	- 1.0	- 1.2	- 0.1	+ 0.6	+ 0.3	+ 0.4	+ 1.2	+ 1.6	+ 2.0	+ 3.0	+ 4.0	+ 5.6	+ 4.4	2.0
	II	+ 2.5	- 0.4	- 2.2	- 3.7	- 7.3	- 8.0	- 6.9	- 4.6	- 2.3	- 1.3	+ 0.2	+ 0.6	+ 0.1	+ 0.1	- 0.4	+ 0.7	+ 0.7	+ 1.0	+ 2.0	+ 3.2	+ 4.2	+ 5.1	+ 7.1	+ 8.2	3.0
	III	+ 8.4	+ 8.2	+ 6.0	+ 1.0	- 5.2	-10.4	-12.0	- 8.7	- 3.7	+ 0.7	+ 0.9	+ 0.5	- 0.8	- 1.7	- 3.0	- 3.2	- 2.5	- 1.6	+ 0.1	+ 1.8	+ 3.2	+ 4.4	+ 6.6	+10.9	4.4
	YEAR	+ 3.7	+ 2.4	+ 0.4	- 2.2	- 5.6	- 7.2	- 7.0	- 4.5	- 2.3	- 0.7	0.0	+ 0.1	- 0.6	- 0.5	- 0.9	- 0.7	- 0.5	+ 0.2	+ 1.2	+ 2.3	+ 3.4	+ 4.5	+ 6.4	+ 7.9	2.7

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 2	- 2	- 1	- 6	- 9	-10	- 7	- 4	0	- 4	- 2	- 2	+ 1	+ 5	+ 6	+ 6	+ 7	+16	+ 4	+ 5	0	- 2	0	0	4.2
FEB	I	+13	+ 4	- 3	- 1	- 8	-10	-14	-16	- 3	- 4	-10	- 6	- 3	+ 2	- 3	+ 4	+ 1	+ 8	+ 9	+ 8	+ 8	+ 7	+ 8	+ 9	6.7
MAR	II	+12	+ 9	0	- 4	-13	- 3	- 8	-16	-18	-12	-12	-13	- 1	+ 1	+ 1	+ 8	+ 2	+ 7	+12	+11	+11	+13	+11	+ 1	8.3
APR	II	+24	+19	+14	+20	+25	+23	+ 8	-11	-23	-37	-48	-37	-26	-17	- 5	+ 2	+ 3	+ 5	+ 9	+12	+11	+11	+10	+10	17.1
MAY	III	+10	+ 9	+11	+ 8	+ 3	- 9	-10	- 5	- 2	- 3	-10	- 8	-15	-11	+ 5	- 4	- 2	+ 2	+ 4	+ 8	+ 6	+ 4	+ 3	+ 3	6.5
JUN	III	+23	+23	+18	+10	- 1	- 6	-11	-17	-12	- 9	- 3	- 2	- 4	- 6	- 1	- 7	- 6	- 1	- 4	- 2	+ 3	+ 2	+ 3	+ 8	7.6
JUL	III	+19	+20	+20	+13	+ 6	+ 3	- 1	- 4	- 9	-13	-10	-13	-16	-14	- 9	- 5	- 5	- 5	- 1	+ 1	+ 2	+ 5	+ 6	+ 9	8.8
AUG	III	+22	+20	+10	0	+ 1	+ 2	-13	-18	-21	- 9	-12	-17	- 9	- 4	+ 1	+ 2	+ 6	+ 8	+ 7	+ 4	+ 5	+ 6	+ 5	+ 7	8.6
SEP	II	+18	+16	+ 8	+ 4	- 2	- 8	-13	-12	-10	- 3	0	- 2	- 5	- 2	- 4	- 1	- 4	+ 1	+ 1	+ 6	+ 5	+ 1	+ 2	+ 4	5.6
OCT	II	+ 5	- 1	- 5	-11	-10	- 7	- 5	+ 3	+ 6	+ 3	0	- 2	+ 1	0	0	- 4	+ 1	+ 4	+ 6	+ 5	+ 4	+ 3	+ 4	+ 2	3.8
NOV	I	+11	+ 9	+ 1	- 8	- 8	- 5	- 4	- 3	- 4	- 2	0	- 2	- 5	- 9	- 8	+ 2	+ 9	+ 8	- 1	0	0	+ 4	+ 8	+ 8	5.0
DEC	I	+23	+22	+14	+11	+15	+13	+ 9	+ 6	+ 4	+ 6	+11	+ 6	+ 9	+ 4	- 1	-22	- 8	-23	-23	-22	-20	-18	-11	- 4	12.6
MEANS	I	+12.1	+ 8.4	+ 2.7	- 1.0	- 2.5	- 3.2	- 4.2	- 4.3	- 0.9	- 1.1	- 0.2	- 1.0	+ 0.5	+ 0.4	- 1.4	- 2.4	+ 2.3	+ 2.0	- 3.1	- 2.3	- 3.0	- 2.4	+ 1.2	+ 3.3	2.7
	II	+14.6	+10.8	+ 4.2	+ 2.5	+ 0.2	+ 1.1	- 4.4	- 9.2	-11.4	-12.2	-15.0	-13.7	- 7.8	- 4.6	- 2.0	+ 1.2	+ 0.5	+ 4.2	+ 7.2	+ 8.5	+ 7.9	+ 6.8	+ 6.7	+ 4.4	6.7
	III	+18.3	+18.0	+14.7	+ 7.6	+ 2.2	- 2.6	- 9.0	-11.0	-10.9	- 8.2	- 8.8	- 9.8	-11.0	- 8.7	- 1.1	- 3.6	- 1.8	+ 0.9	+ 1.6	+ 2.8	+ 4.2	+ 4.4	+ 4.4	+ 6.8	7.2
	YEAR	+15.0	+12.4	+ 7.2	+ 3.0	0.0	- 1.6	- 5.9	- 8.2	- 7.8	- 7.2	- 8.0	- 8.1	- 6.1	- 4.3	- 1.5	- 1.6	+ 0.3	+ 2.4	+ 1.9	+ 3.0	+ 3.1	+ 2.9	+ 4.1	+ 4.8	5.0

TABLE 414

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 7	- 6	- 6	- 5	- 6	- 9	-12	-15	-21	-21	-16	- 7	+ 4	+13	+20	+24	+21	+17	+14	+12	+ 8	+ 4	0	- 4	11.3
FEB	I	- 3	- 3	- 1	- 1	- 1	- 4	-12	-20	-27	-28	-20	- 7	+ 7	+18	+26	+26	+22	+16	+10	+ 8	+ 4	- 2	- 4	- 3	11.4
MAR	II	- 4	- 4	- 1	- 1	- 1	- 4	- 7	-14	-22	-24	-16	- 3	+11	+21	+23	+22	+17	+10	+ 6	+ 1	- 2	- 1	- 5	- 4	9.4
APR	II	- 4	- 2	- 1	+ 1	- 1	- 2	- 3	- 7	-14	-16	-12	- 4	+ 6	+14	+18	+18	+14	+ 7	+ 2	- 2	- 2	- 4	- 4	- 4	6.8
MAY	III	- 2	0	+ 1	+ 3	+ 3	+ 2	+ 1	0	- 5	-10	-12	- 8	- 1	+ 6	+13	+15	+11	+ 5	0	- 4	- 4	- 6	- 6	- 4	5.1
JUN	III	- 4	- 1	0	+ 1	+ 2	+ 2	+ 4	+ 6	+ 3	- 4	- 7	- 7	- 4	+ 1	+ 7	+11	+ 9	+ 4	+ 1	- 2	- 4	- 5	- 5	- 6	4.1
JUL	III	- 2	0	+ 2	+ 3	+ 4	+ 3	+ 3	+ 5	+ 1	- 7	-10	-10	- 6	+ 1	+ 8	+11	+ 9	+ 3	0	- 1	- 4	- 5	- 5	- 4	4.5
AUG	III	- 2	- 1	+ 2	+ 3	+ 3	+ 2	+ 2	+ 1	- 6	-14	-17	-14	- 7	+ 3	+12	+17	+14	+ 9	+ 6	+ 2	- 2	- 3	- 4	- 5	6.3
SEP	II	0	0	+ 1	+ 3	+ 4	+ 2	+ 2	- 4	-14	-21	-23	-17	- 2	+10	+18	+19	+16	+10	+ 5	+ 2	0	- 3	- 5	- 4	7.8
OCT	II	- 2	- 1	- 1	0	- 1	- 2	- 6	-17	-28	-32	-26	-11	+ 8	+22	+28	+26	+19	+11	+ 7	+ 3	+ 2	+ 1	0	0	10.6
NOV	I	- 1	- 2	- 2	- 2	- 2	- 6	-14	-24	-31	-33	-27	-10	+ 8	+22	+29	+29	+24	+17	+11	+ 8	+ 5	+ 2	0	- 1	12.8
DEC	I	- 4	- 6	- 6	- 2	- 5	-10	-16	-20	-25	-26	-18	- 6	+ 6	+18	+23	+26	+21	+17	+14	+10	+ 7	+ 5	- 1	- 3	12.3
MEANS	I	- 3.9	- 4.1	- 3.8	- 2.2	- 3.7	- 7.2	-13.6	-20.2	-25.7	-26.7	-20.2	- 7.6	+ 6.2	+17.5	+24.5	+26.2	+22.0	+16.8	+12.3	+ 9.6	+ 6.0	+ 2.2	- 1.2	- 2.8	11.9
	II	- 2.5	- 1.5	- 0.5	+ 0.8	0.0	- 1.5	- 3.7	-10.6	-19.5	-23.2	-19.6	- 8.7	+ 5.8	+17.0	+22.0	+21.6	+16.3	+ 9.8	+ 4.9	+ 1.1	- 0.4	- 1.7	- 3.5	- 3.2	8.3
	III	- 2.5	- 0.6	+ 1.2	+ 2.4	+ 3.2	+ 2.3	+ 2.6	+ 2.5	- 1.8	- 8.4	-11.6	- 9.8	- 4.3	+ 2.7	+ 9.8	+13.4	+11.0	+ 5.0	+ 2.0	- 1.2	- 3.5	- 4.8	- 5.3	- 4.6	4.9
	YEAR	- 3.0	- 2.1	- 1.0	+ 0.3	- 0.2	- 2.1	- 4.9	- 9.4	-15.7	-19.4	-17.1	- 8.7	+ 2.6	+12.4	+18.8	+20.4	+16.4	+10.6	+ 6.4	+ 3.2	+ 0.7	- 1.4	- 3.3	- 3.5	7.6

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 4	- 2	0	- 1	- 3	- 6	-12	-20	-24	-22	-16	- 7	+ 3	+10	+17	+20	+17	+14	+13	+11	+ 9	+ 4	0	- 1	9.8
FEB	I	- 2	- 2	- 1	- 1	- 3	- 3	- 8	-17	-26	-29	-24	-14	- 1	+12	+20	+22	+19	+15	+10	+10	+ 7	+ 6	+ 4	+ 2	10.7
MAR	II	- 2	- 4	0	- 1	0	- 2	- 8	-16	-24	-27	-20	- 7	+10	+20	+20	+19	+15	+11	+ 7	+ 4	+ 4	+ 1	0	- 2	9.3
APR	II	- 3	0	- 2	0	- 1	- 2	- 3	- 6	-12	-15	-12	- 6	+ 4	+10	+13	+13	+10	+ 6	+ 4	+ 3	+ 1	0	- 2	- 2	5.4
MAY	III	0	+ 2	+ 3	+ 5	+ 2	+ 1	+ 2	0	- 7	-12	-14	-11	- 3	+ 4	+11	+14	+10	+ 4	+ 1	0	- 2	- 3	- 3	- 2	4.9
JUN	III	- 4	- 3	- 1	0	0	+ 1	+ 4	+ 5	+ 3	- 2	- 6	- 7	- 4	0	+ 5	+10	+ 9	+ 4	+ 1	- 1	- 2	- 3	- 4	- 3	3.4
JUL	III	- 1	0	+ 2	+ 3	+ 4	+ 4	+ 3	+ 5	+ 1	- 7	-11	-12	- 7	0	+ 7	+12	+10	+ 2	0	- 1	- 2	- 3	- 4	- 2	4.4
AUG	III	- 2	- 1	+ 3	+ 4	+ 4	+ 3	+ 2	+ 1	- 6	-14	-18	-17	- 9	0	+ 8	+13	+13	+ 9	+ 5	+ 3	+ 1	- 1	- 2	- 1	5.9
SEP	II	- 1	0	- 1	+ 1	+ 4	+ 3	+ 1	- 6	-15	-22	-25	-18	- 2	+11	+19	+19	+15	+10	+ 5	+ 4	+ 2	0	- 1	- 2	7.8
OCT	II	0	- 1	0	0	- 1	- 2	- 5	-17	-29	-33	-28	-12	+ 8	+22	+28	+25	+16	+ 9	+ 6	+ 4	+ 3	+ 3	+ 2	+ 2	10.8
NOV	I	- 3	- 2	- 3	- 1	- 2	- 6	-15	-25	-32	-35	-28	-11	+ 9	+22	+28	+27	+20	+14	+10	+ 9	+ 8	+ 5	+ 5	+ 3	13.5
DEC	I	- 2	- 2	- 2	- 1	- 3	- 8	-13	-18	-22	-22	-19	-11	0	+13	+18	+20	+19	+16	+12	+11	+ 8	+ 6	+ 3	- 1	10.4
MEANS	I	- 2.8	- 1.9	- 1.4	- 1.2	- 2.5	- 5.5	-12.0	-20.0	-25.9	-26.9	-21.6	-10.6	+ 2.6	+14.4	+21.2	+22.0	+18.8	+15.0	+11.4	+10.0	+ 7.8	+ 5.4	+ 3.1	+ 0.6	11.0
	II	- 1.4	- 1.4	- 0.8	+ 0.1	+ 0.5	- 0.6	- 3.7	-11.2	-20.0	-24.2	-21.2	-10.7	+ 4.7	+15.5	+20.3	+19.1	+14.3	+ 8.9	+ 5.6	+ 3.6	+ 2.5	+ 1.1	- 0.1	- 1.1	8.0
	III	- 2.0	- 0.5	+ 1.8	+ 2.9	+ 2.8	+ 2.2	+ 2.7	+ 2.8	- 2.4	- 8.9	-12.4	-11.7	- 5.9	+ 1.0	+ 7.7	+12.1	+10.4	+ 4.7	+ 1.7	+ 0.2	- 1.4	- 2.6	- 3.2	- 2.1	4.4
	YEAR	- 2.1	- 1.3	- 0.1	+ 0.6	+ 0.2	- 1.3	- 4.4	- 9.4	-16.1	-20.0	-18.4	-11.0	+ 0.5	+10.3	+16.4	+17.7	+14.5	+ 9.5	+ 6.2	+ 4.6	+ 3.0	+ 1.3	- 0.1	- 0.8	7.1

TABLE 414--CONCLUDED

EAST COMPONENT (Y)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-24	-23	-17	- 9	0	+ 6	+12	+15	+14	+15	+14	+12	+ 9	+ 4	+ 1	+ 1	0	0	0	0	- 2	- 4	-10	-16	8.7
FEB	I	-27	-32	-28	-17	- 3	+11	+21	+24	+20	+14	+ 9	+ 8	+ 7	+ 6	+ 4	+ 2	+ 2	+ 2	+ 1	+ 1	+ 1	- 2	- 6	-16	11.0
MAR	II	-25	-30	-22	-10	+ 8	+18	+20	+19	+16	+11	+ 8	+ 6	+ 6	+ 4	+ 2	0	0	- 1	- 1	- 2	- 1	- 3	- 8	-16	9.9
APR	II	-15	-18	-14	- 7	+ 4	+12	+16	+14	+11	+ 7	+ 4	+ 3	+ 2	0	- 1	- 2	- 1	- 1	0	0	- 1	- 1	- 3	- 8	6.1
MAY	III	- 7	-12	-15	-12	- 5	+ 4	+ 9	+12	+10	+ 5	+ 2	0	- 2	- 3	- 3	- 1	+ 1	+ 2	+ 4	+ 3	+ 3	+ 2	+ 2	+ 1	5.0
JUN	III	+ 1	- 4	- 9	- 9	- 5	+ 1	+ 7	+11	+ 8	+ 3	0	- 2	- 3	- 4	- 5	- 4	- 2	+ 1	+ 1	+ 3	+ 3	+ 2	+ 2	+ 2	3.8
JUL	III	- 1	-10	-14	-13	- 6	+ 2	+ 9	+13	+ 9	+ 2	- 2	- 2	- 3	- 4	- 3	- 3	- 1	+ 1	+ 4	+ 4	+ 4	+ 4	+ 5	+ 4	5.0
AUG	III	- 9	-16	-19	-17	- 9	+ 1	+10	+14	+13	+ 9	+ 5	+ 3	+ 1	0	- 1	- 2	0	0	+ 3	+ 4	+ 3	+ 1	+ 4	+ 3	6.2
SEP	II	-17	-24	-26	-18	- 1	+11	+20	+20	+16	+11	+ 6	+ 5	+ 2	+ 1	- 1	- 3	+ 1	0	0	+ 1	+ 2	0	0	- 6	8.0
OCT	II	-30	-33	-25	-12	+ 6	+20	+28	+25	+17	+ 8	+ 5	+ 4	+ 4	+ 3	+ 3	+ 3	+ 2	+ 2	0	+ 1	- 1	- 2	- 7	-19	10.8
NOV	I	-32	-35	-29	-13	+ 7	+19	+25	+24	+19	+14	+ 9	+ 7	+ 7	+ 7	+ 6	+ 3	+ 1	0	+ 1	+ 1	- 1	- 5	-14	-22	12.5
DEC	I	-19	-20	-16	- 8	+ 4	+14	+16	+16	+14	+13	+11	+ 9	+ 6	+ 4	+ 2	0	- 1	- 1	- 1	- 2	- 3	- 7	-13	-18	9.1
MEANS	I	-25.3	-27.3	-22.9	-11.6	+ 2.0	+12.6	+18.6	+19.5	+16.8	+13.7	+10.8	+ 9.0	+ 7.4	+ 5.2	+ 3.2	+ 1.8	+ 0.6	+ 0.3	+ 0.2	- 0.1	- 1.2	- 4.5	-10.9	-17.9	10.1
	II	-21.6	-26.1	-22.0	-11.5	+ 4.2	+15.2	+21.0	+19.5	+15.1	+ 9.4	+ 5.9	+ 4.4	+ 3.1	+ 2.1	+ 0.6	- 0.6	+ 0.6	+ 0.1	- 0.2	0.0	- 0.5	- 1.6	- 4.7	-12.4	8.4
	III	- 4.0	-10.5	-14.0	-12.6	- 6.3	+ 2.0	+ 8.8	+12.6	+10.2	+ 4.6	+ 1.4	- 0.2	- 1.7	- 2.7	- 3.0	- 2.4	- 0.4	+ 1.0	+ 2.8	+ 3.4	+ 3.0	+ 2.6	+ 3.2	+ 2.5	4.8
	YEAR	-17.0	-21.3	-19.6	-11.9	- 0.1	+ 9.9	+16.2	+17.2	+14.0	+ 9.2	+ 6.0	+ 4.4	+ 2.9	+ 1.5	+ 0.2	- 0.4	+ 0.2	+ 0.5	+ 0.9	+ 1.1	+ 0.4	- 1.1	- 4.1	- 9.3	7.1

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-22	-22	-17	- 4	+ 7	+18	+26	+31	+27	+22	+14	+12	+ 6	0	- 4	-10	-16	-13	-14	- 8	-12	-10	- 6	- 8	13.8
FEB	I	-29	-25	-15	- 3	+15	+26	+36	+38	+33	+20	+12	+ 6	- 8	-16	-18	-12	- 8	- 3	- 4	- 3	+ 4	- 3	-18	-26	15.9
MAR	II	-23	-25	-18	- 1	+13	+23	+24	+27	+18	+10	+ 2	-10	-13	- 4	-13	- 2	- 3	+ 3	+ 7	0	+ 4	0	- 5	-13	10.9
APR	II	-15	-16	- 9	+ 6	+13	+21	+30	+34	+32	+ 7	-11	-19	- 9	-12	- 8	-13	-12	- 2	+ 4	+ 5	- 1	- 5	- 8	-13	12.7
MAY	III	0	- 8	- 9	- 4	+ 6	+10	+17	+18	+13	+ 6	- 3	-17	- 6	-12	-14	-10	- 4	0	+ 1	+ 4	+ 7	+ 2	+ 2	+ 1	7.3
JUN	III	+ 7	- 5	- 7	- 8	- 4	+ 1	+10	+12	+11	+ 5	+ 2	- 1	- 6	- 8	- 9	-13	- 8	- 1	- 3	+ 1	+ 3	+ 4	+ 8	+10	6.2
JUL	III	+ 2	- 7	-12	- 8	- 4	+ 2	+11	+14	+14	+ 6	+ 2	+ 3	- 6	- 6	- 6	- 6	- 3	- 3	0	0	+ 2	+ 2	+ 2	+ 3	5.2
AUG	III	- 9	-16	-18	-12	- 4	+ 8	+20	+29	+20	+ 8	+ 8	- 1	-10	- 6	- 8	- 7	- 6	- 4	- 1	+ 4	+ 5	0	+ 2	- 3	8.7
SEP	II	-12	-15	-18	-13	+ 1	+13	+20	+21	+15	+11	+ 6	- 2	- 3	-10	-15	- 6	- 5	- 1	0	+ 4	+ 5	+ 3	+ 4	- 1	8.5
OCT	II	-25	-25	-18	- 4	+12	+22	+28	+26	+20	+14	+ 6	0	+ 1	0	- 5	- 5	- 9	- 4	- 4	- 6	- 4	- 1	- 6	-15	10.9
NOV	I	-30	-31	-28	- 7	+15	+30	+37	+40	+34	+25	+18	+ 8	- 1	- 7	- 8	- 6	- 4	-13	-10	- 8	- 8	-10	-14	-21	17.2
DEC	I	-26	-27	-16	+ 2	+14	+27	+31	+38	+28	+27	+23	+13	+ 6	+ 1	-13	- 9	-15	-22	-24	- 3	-12	-16	-17	-12	17.7
MEANS	I	-26.7	-26.2	-18.9	- 3.0	+13.0	+25.0	+32.6	+36.9	+30.7	+23.7	+16.9	+ 9.9	+ 0.8	- 5.6	-10.6	- 9.6	-10.9	-12.9	-12.9	- 5.6	- 7.0	- 9.4	-13.5	-16.8	15.8
	II	-18.8	-20.4	-15.8	- 3.0	+10.0	+19.9	+25.8	+27.1	+21.3	+10.4	+ 0.7	- 7.9	- 6.2	- 6.4	-10.1	- 6.4	- 7.2	- 0.8	+ 1.6	+ 0.9	+ 0.8	- 0.9	- 3.9	-10.6	9.9
	III	- 0.1	- 8.9	-11.4	- 8.0	- 1.6	+ 5.4	+14.6	+18.4	+14.5	+ 6.1	+ 2.2	- 4.1	- 6.9	- 8.0	- 9.4	- 8.8	- 5.4	- 2.1	- 1.0	+ 2.3	+ 4.3	+ 2.2	+ 3.8	+ 2.9	6.4
	YEAR	-15.2	-18.5	-15.4	- 4.7	+ 7.1	+16.8	+24.3	+27.4	+22.2	+13.4	+ 6.6	- 0.7	- 4.1	- 6.7	-10.0	- 8.2	- 7.8	- 5.3	- 4.1	- 0.8	- 0.6	- 2.7	- 4.5	- 8.1	9.8

TABLE 415

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-16	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	-11	- 7	- 4	- 2	- 2	- 4	- 5	- 7	- 7	- 2	+ 6	+14	+ 2	+23	+22	+16	+ 6	- 1	- 6	- 6	- 9	-10	-12	-12	8.9
FEB	I	- 6	- 4	- 2	0	0	- 3	- 8	-12	-13	- 8	+ 4	+17	+26	+30	+27	+16	+ 5	- 4	- 9	- 9	-12	-13	-12	- 9	10.4
MAR	II	- 5	- 3	0	0	0	- 2	- 5	-10	-11	- 4	+10	+24	+28	+26	+17	+ 7	- 2	- 8	-10	-13	-13	- 9	-10	- 7	9.4
APR	II	- 3	0	+ 1	+ 3	+ 1	0	- 1	- 4	- 6	- 2	+ 6	+15	+20	+19	+13	+ 6	- 3	- 7	-12	-13	-12	-10	- 7	- 5	7.0
MAY	III	0	+ 1	+ 2	+ 3	+ 3	+ 2	+ 1	0	- 2	- 3	- 1	+ 4	+ 8	+10	+10	+ 6	0	- 4	- 6	- 9	- 8	- 8	- 6	- 3	4.3
JUN	III	- 2	+ 1	+ 2	+ 3	+ 3	+ 2	+ 3	+ 6	+ 3	- 2	- 2	+ 2	+ 4	+ 6	+ 8	+ 6	0	- 5	- 6	- 7	- 8	- 7	- 5	- 4	4.1
JUL	III	- 2	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 4	- 1	- 6	- 5	0	+ 6	+11	+13	+ 8	+ 1	- 5	- 5	- 6	- 8	- 7	- 6	- 4	4.6
AUG	III	- 3	0	+ 2	+ 3	+ 3	+ 2	+ 2	0	- 7	- 9	- 6	+ 2	+12	+17	+18	+14	+ 4	- 3	- 5	- 9	-11	-10	- 8	- 6	6.5
SEP	II	- 3	0	0	+ 2	+ 3	+ 1	- 2	- 7	-12	-11	- 4	+ 9	+20	+24	+20	+12	+ 2	- 3	- 6	- 9	-10	-11	-10	- 6	7.9
OCT	II	- 6	- 3	- 2	0	- 2	- 3	- 8	-14	-18	-11	+ 5	+21	+30	+30	+24	+13	+ 1	- 6	- 8	-10	-10	-10	- 8	- 6	10.4
NOV	I	- 5	- 4	- 3	- 1	- 2	- 5	-10	-14	-15	- 8	+ 6	+21	+29	+30	+24	+13	+ 2	- 4	- 7	- 8	-10	-11	-10	- 8	10.6
DEC	I	- 7	- 5	- 3	+ 1	- 1	- 5	- 7	- 6	- 6	- 2	+ 7	+17	+24	+24	+18	+11	+ 2	- 3	- 6	- 9	-10	-11	-13	-11	8.8
MEANS	I	- 7.2	- 5.0	- 2.9	- 0.6	- 1.4	- 4.4	- 7.5	-10.0	-10.1	- 5.0	+ 5.9	+17.2	+24.9	+26.8	+22.7	+14.0	+ 3.9	- 3.1	- 7.0	- 8.0	-10.4	-11.2	-11.8	- 9.9	9.6
	II	- 4.2	- 1.6	0.0	+ 1.3	+ 0.6	- 1.0	- 3.7	- 8.7	-11.9	- 7.0	+ 4.3	+17.1	+24.8	+24.9	+18.7	+ 9.5	- 0.5	- 6.2	- 9.2	-11.2	-11.2	- 9.8	- 8.7	- 6.3	8.4
	III	- 1.6	+ 0.8	+ 2.2	+ 2.8	+ 2.8	+ 1.8	+ 2.2	+ 2.4	- 1.9	- 5.2	- 3.6	+ 2.2	+ 7.2	+11.0	+12.3	+ 8.6	+ 1.2	- 4.1	- 5.5	- 7.9	- 8.8	- 8.1	- 6.2	- 4.3	4.8
	YEAR	- 4.3	- 1.9	- 0.2	+ 1.2	+ 0.6	- 1.2	- 3.0	- 5.4	- 8.0	- 5.8	+ 2.2	+12.2	+19.0	+20.9	+17.9	+10.7	+ 1.6	- 4.5	- 7.2	- 9.0	-10.1	- 9.7	- 8.9	- 6.9	7.2

TEN LEAST-DISTURBED DAYS BASIS 120 TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
JAN	I	- 9	- 6	- 3	- 4	- 3	- 6	- 9	-12	- 8	- 1	+ 8	+14	+21	+24	+22	+15	+ 6	- 1	- 4	- 6	- 8	-10	-12	- 9	9.1
FEB	I	- 8	- 7	- 5	- 3	- 4	- 5	- 8	-15	-16	-12	0	+14	+25	+32	+28	+18	+ 8	0	- 4	- 6	- 8	- 8	- 8	- 8	10.4
MAR	II	- 6	- 6	- 2	- 1	0	- 2	- 6	-12	-12	- 6	+ 6	+21	+26	+24	+15	+ 7	0	- 4	- 6	- 8	- 7	- 7	- 7	- 7	8.3
APR	II	- 4	- 1	- 2	0	- 1	- 1	- 3	- 5	- 6	- 3	+ 3	+10	+16	+16	+11	+ 6	+ 1	- 3	- 5	- 6	- 7	- 6	- 6	- 4	5.2
MAY	III	- 1	0	+ 1	+ 2	0	- 1	- 1	- 1	- 5	- 6	- 2	+ 5	+10	+12	+11	+ 7	0	- 3	- 4	- 5	- 6	- 5	- 4	- 2	3.9
JUN	III	- 3	- 1	+ 2	+ 2	+ 2	+ 1	+ 3	+ 5	+ 1	- 2	- 2	+ 2	+ 4	+ 6	+ 7	+ 7	+ 1	- 4	- 6	- 6	- 6	- 6	- 5	- 4	3.6
JUL	III	- 3	0	+ 1	+ 2	+ 2	+ 3	+ 3	+ 3	- 3	- 8	- 8	- 4	+ 3	+ 8	+13	+11	+ 3	- 2	- 2	- 3	- 4	- 5	- 6	- 5	4.4
AUG	III	- 5	- 2	+ 1	+ 2	+ 3	+ 1	0	- 2	- 8	-11	- 8	+ 1	+11	+15	+17	+13	+ 6	0	- 3	- 6	- 7	- 8	- 7	- 5	5.8
SEP	II	- 5	0	- 2	0	+ 2	0	- 3	-10	-14	-13	- 5	+ 8	+22	+27	+23	+14	+ 3	- 3	- 5	- 7	- 9	- 9	- 8	- 6	8.3
OCT	II	- 6	- 4	- 2	0	- 2	- 4	- 7	-16	-20	-15	+ 2	+21	+32	+32	+26	+14	0	- 6	- 6	- 6	- 9	- 8	- 8	- 7	10.5
NOV	I	- 8	- 5	- 3	- 2	- 4	- 8	-14	-18	-16	- 9	+ 6	+23	+31	+31	+ 23	+12	+ 2	- 4	- 6	- 6	- 6	- 7	- 6	- 6	10.7
DEC	I	- 7	- 5	- 3	- 3	- 4	- 6	- 7	- 6	- 7	- 4	+ 2	+13	+21	+22	+17	+10	+ 5	- 2	- 5	- 5	- 6	- 6	- 7	- 8	7.5
MEANS	I	- 8.2	- 5.8	- 3.7	- 2.9	- 3.6	- 6.3	- 9.6	-12.4	-11.8	- 6.6	+ 4.2	+15.8	+24.4	+27.2	+22.6	+13.9	+ 5.0	- 1.6	- 4.8	- 5.7	- 7.0	- 7.7	- 8.2	- 7.7	9.4
	II	- 5.1	- 2.7	- 2.0	- 0.4	- 0.1	- 1.5	- 4.8	-10.2	-13.4	- 9.1	+ 1.6	+15.0	+24.0	+24.4	+18.8	+ 9.9	+ 1.1	- 3.8	- 5.4	- 6.8	- 8.0	- 7.6	- 7.0	- 6.2	7.9
	III	- 2.9	- 0.7	+ 1.2	+ 2.0	+ 1.6	+ 0.9	+ 1.4	+ 1.3	- 3.8	- 6.7	- 5.0	+ 1.2	+ 6.9	+10.0	+11.9	+ 9.4	+ 2.7	- 2.2	- 3.6	- 4.7	- 5.7	- 6.0	- 5.6	- 3.8	4.2
	YEAR	- 5.4	- 3.1	- 1.5	- 0.4	- 0.7	- 2.3	- 4.3	- 7.1	- 9.6	- 7.5	+ 0.2	+10.7	+18.5	+20.5	+17.8	+11.1	+ 2.9	- 2.6	- 4.6	- 5.7	- 6.9	- 7.1	- 6.9	- 5.9	6.8

TABLE 415--CONCLUDED

VERTICAL INTENSITY (Z)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 7	- 1	+ 6	+11	+14	+17	+16	+11	+ 6	+ 2	- 1	- 3	+ 5	- 7	- 8	- 6	- 6	- 4	- 4	- 4	- 3	- 6	- 8	-10	7.0
FEB	I	-19	-15	- 3	+12	+24	+31	+30	+21	+ 9	+ 1	- 5	- 7	- 7	- 8	- 8	- 8	- 6	- 6	- 4	- 2	- 1	- 4	- 8	-16	10.6
MAR	II	-14	-10	+ 6	+19	+27	+25	+17	+ 8	+ 2	- 2	- 3	- 5	- 6	- 7	- 7	- 8	- 6	- 5	- 4	- 3	- 2	- 2	- 6	-12	8.6
APR	II	- 9	- 6	0	+ 9	+17	+18	+13	+ 7	+ 2	- 1	- 4	- 5	- 6	- 6	- 6	- 6	- 4	- 2	0	- 1	- 1	- 2	- 3	- 6	5.6
MAY	III	- 6	- 8	- 4	+ 3	+ 8	+10	+ 8	+ 5	0	- 3	- 4	- 5	- 5	- 4	- 3	- 1	0	+ 1	+ 2	+ 1	0	0	0	+ 2	3.6
JUN	III	- 1	- 4	- 2	+ 4	+ 7	+ 8	+ 9	+ 7	0	- 4	- 6	- 6	- 7	- 7	- 5	- 4	- 1	+ 1	+ 2	+ 3	+ 2	+ 1	+ 1	+ 2	3.9
JUL	III	- 5	-10	- 9	- 4	+ 3	+ 9	+14	+11	+ 2	- 2	- 3	- 3	- 4	- 4	- 6	- 6	- 3	0	+ 2	+ 3	+ 3	+ 4	+ 6	+ 3	5.0
AUG	III	-10	-10	- 7	+ 2	+12	+16	+16	+12	+ 7	0	- 3	- 4	- 7	- 8	- 8	- 7	- 5	- 3	0	+ 2	+ 2	+ 1	+ 2	- 1	6.0
SEP	II	-15	-14	- 5	+ 8	+22	+27	+24	+14	+ 5	- 2	- 6	- 7	- 9	- 9	- 8	- 7	- 4	- 2	0	0	0	- 2	- 2	- 9	8.4
OCT	II	-22	-15	+ 1	+18	+29	+31	+27	+16	+ 2	- 6	- 5	- 6	- 9	- 8	- 7	- 6	- 6	- 4	- 3	- 1	- 2	- 3	- 8	-15	10.4
NOV	I	-15	- 9	+ 7	+23	+30	+29	+20	+10	+ 2	- 4	- 6	- 6	- 5	- 5	- 6	- 5	- 6	- 4	- 4	- 4	- 5	- 9	-13	-15	10.1
DEC	I	- 3	- 1	+ 5	+13	+20	+21	+14	+ 7	+ 1	- 3	- 4	- 4	- 5	- 5	- 5	- 5	- 4	- 3	- 2	- 3	- 6	- 7	- 9	- 9	6.7
MEANS	I	-11.0	- 6.6	+ 3.9	+14.6	+22.1	+24.8	+19.9	+12.3	+ 4.4	- 1.2	- 4.0	- 4.8	- 5.6	- 6.4	- 6.8	- 5.9	- 5.6	- 4.5	- 3.6	- 3.3	- 3.9	- 6.8	- 9.6	-12.5	8.5
	II	-14.8	-11.1	+ 0.6	+13.4	+23.8	+25.2	+20.2	+11.4	+ 2.8	- 2.9	- 4.6	- 6.0	- 7.5	- 7.4	- 7.0	- 6.5	- 4.8	- 3.4	- 2.0	- 1.4	- 1.3	- 2.1	- 4.8	-10.2	8.1
	III	- 5.6	- 8.0	- 5.6	+ 1.1	+ 7.4	+10.8	+11.7	+ 8.9	+ 2.3	- 2.3	- 3.8	- 4.6	- 5.5	- 5.8	- 5.6	- 4.2	- 2.1	- 0.2	+ 1.4	+ 2.2	+ 1.9	+ 1.5	+ 2.4	+ 1.6	4.4
	YEAR	-10.5	- 8.6	- 0.4	+ 9.7	+17.8	+20.2	+17.3	+10.9	+ 3.2	- 2.1	- 4.1	- 5.1	- 6.2	- 6.6	- 6.5	- 5.5	- 4.2	- 2.7	- 1.4	- 0.8	- 1.1	- 2.4	- 4.0	- 7.0	6.6

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	- 6	- 4	+ 3	+12	+16	+17	+20	+18	+ 8	- 4	-11	- 8	-13	-13	-14	-16	-14	- 6	- 4	+ 3	+ 1	+ 3	+ 7	+ 3	9.4
FEB	I	- 6	+ 2	+11	+21	+27	+29	+29	+15	+ 6	- 9	-18	-17	-26	-26	-22	-10	- 6	+ 2	+ 3	+ 4	+ 7	+ 2	- 8	-10	13.1
MAR	II	- 6	0	+15	+30	+31	+31	+20	+ 5	-11	-13	-18	-24	-20	-11	-15	- 4	- 4	+ 3	+ 6	+ 2	+ 2	0	- 5	-12	12.1
APR	II	+ 3	+10	+18	+28	+30	+28	+19	+ 6	- 7	-25	-49	-42	-22	-15	- 6	- 4	- 1	+ 6	+10	+10	+ 5	+ 2	- 1	- 3	14.6
MAY	III	+ 4	0	+ 2	+ 6	+11	+10	+ 9	+ 6	- 2	- 8	-14	-22	-13	-12	- 7	- 4	+ 3	+ 5	+ 5	+ 7	+ 7	+ 3	+ 3	+ 2	6.8
JUN	III	+ 7	- 2	- 1	+ 1	+ 2	+ 5	+ 9	+ 4	- 1	- 8	- 6	- 7	-12	-12	- 8	-11	- 4	+ 5	+ 3	+ 5	+ 7	+ 6	+ 8	+10	5.9
JUL	III	+ 1	- 4	- 1	+ 6	+ 8	+15	+17	+11	+ 2	- 9	-10	-12	-17	-14	- 8	- 4	- 1	+ 1	+ 3	+ 4	+ 4	+ 3	+ 3	+ 3	6.8
AUG	III	- 5	- 8	- 4	+ 4	+13	+24	+23	+15	- 2	-11	-10	-19	-19	-10	- 5	- 2	+ 1	+ 4	+ 4	+ 6	+ 4	0	+ 1	- 3	8.3
SEP	II	-10	- 4	+ 1	+10	+22	+26	+20	+ 9	- 3	- 6	- 6	-13	-14	-15	-15	- 4	- 3	+ 2	+ 2	+ 6	+ 4	0	- 1	- 6	8.4
OCT	II	- 8	- 1	+14	+26	+28	+28	+22	+12	+ 1	- 7	-12	-17	-11	-11	-12	-11	-10	- 2	- 2	- 2	- 2	- 2	- 6	-13	10.8
NOV	I	-10	- 2	+10	+24	+34	+34	+27	+17	+ 3	- 5	- 8	-13	-21	-24	-19	-10	- 5	- 9	- 6	- 1	- 3	- 3	- 4	- 7	12.4
DEC	I	+ 2	+ 5	+13	+21	+30	+32	+24	+18	0	- 3	- 7	-19	-21	-24	-33	-24	-12	-13	- 7	+ 8	+ 1	- 1	+ 1	+ 8	13.7
MEANS	I	- 4.8	+ 0.2	+ 9.3	+19.6	+26.7	+28.0	+25.1	+17.0	+ 4.4	- 5.2	-11.0	-14.2	-20.3	-21.4	-21.8	-15.2	- 9.4	- 6.5	- 3.4	+ 3.4	+ 1.6	+ 0.3	- 0.8	- 1.4	11.3
	II	- 5.1	+ 1.4	+11.9	+23.4	+27.6	+28.1	+20.1	+ 8.1	- 5.1	-12.9	-21.6	-24.0	-17.0	-13.1	-12.1	- 6.0	- 4.7	+ 2.2	+ 4.1	+ 4.0	+ 2.4	+ 0.1	- 3.4	- 8.7	11.1
	III	+ 1.5	- 3.5	- 1.1	+ 4.4	+ 8.7	+13.3	+14.6	+ 9.2	- 1.0	- 8.9	-10.1	-14.9	-15.2	-12.1	- 7.1	- 5.5	- 0.4	+ 3.7	+ 3.8	+ 5.3	+ 5.6	+ 2.9	+ 3.5	+ 3.0	6.5
	YEAR	- 2.8	- 0.6	+ 6.7	+15.8	+21.0	+23.1	+19.9	+11.4	- 0.6	- 9.0	-14.2	-17.7	-17.5	-15.5	-13.7	- 8.9	- 4.8	- 0.2	+ 1.5	+ 4.2	+ 3.2	+ 1.1	- 0.2	- 2.4	9.0

TABLE 416

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY. D EAST, I DOWN, H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

ALL DAYS BASIS 120TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+10	+ 7	+ 4	+ 3	+ 3	+ 5	+ 6	+ 7	+ 6	+ 2	- 6	-14	-20	- 23	-21	-15	- 6	0	+ 4	+ 5	+ 8	+10	+12	+12	8.8
FEB	I	+ 7	+ 6	+ 4	+ 3	+ 3	+ 6	+10	+14	+13	+ 6	- 7	-19	-28	-30	-27	-16	- 5	+ 3	+ 7	+ 7	+10	+13	+11	+10	11.0
MAR	II	+ 6	+ 5	+ 4	+ 3	+ 3	+ 4	+ 7	+10	+10	+ 3	-10	-23	-28	-26	-18	-10	- 1	+ 4	+ 6	+10	+11	+ 9	+10	+ 9	9.6
APR	II	+ 4	+ 1	+ 1	0	+ 2	+ 2	+ 4	+ 7	+ 8	+ 3	- 5	-12	-18	-18	-14	- 9	- 2	+ 3	+ 8	+ 9	+ 8	+ 7	+ 6	+ 5	6.4
MAY	III	0	- 1	- 2	- 2	- 1	0	+ 1	+ 3	+ 7	+ 7	+ 4	- 3	- 9	-13	-15	-10	- 2	+ 4	+ 5	+ 8	+ 6	+ 6	+ 5	+ 2	4.8
JUN	III	0	- 2	- 3	- 3	- 2	- 1	- 1	- 2	+ 3	+ 8	+ 7	+ 1	- 4	- 8	-11	-10	- 2	+ 3	+ 4	+ 5	+ 6	+ 5	+ 4	+ 2	4.0
JUL	III	0	- 2	- 2	- 2	- 2	0	0	+ 1	+ 7	+11	+ 9	+ 2	- 6	-12	-15	-11	- 3	+ 3	+ 4	+ 5	+ 5	+ 5	+ 3	+ 2	4.7
AUG	III	+ 2	0	- 1	- 1	- 1	+ 1	+ 2	+ 5	+12	+14	+10	0	-11	-18	-21	-17	- 8	0	+ 2	+ 5	+ 8	+ 7	+ 6	+ 4	6.5
SEP	II	+ 3	+ 1	+ 1	0	0	+ 2	+ 4	+10	+15	+14	+ 6	- 7	-21	-27	-24	-16	- 6	+ 2	+ 5	+ 7	+ 8	+ 9	+ 8	+ 6	8.4
OCT	II	+ 6	+ 4	+ 3	+ 2	+ 3	+ 5	+10	+16	+18	+10	- 6	-22	-31	-31	-25	-13	- 1	+ 5	+ 7	+ 8	+ 9	+ 9	+ 8	+ 7	10.8
NOV	I	+ 5	+ 5	+ 3	+ 2	+ 4	+ 7	+13	+17	+15	+ 8	- 6	-22	-29	-30	-24	-13	- 4	+ 3	+ 6	+ 7	+ 9	+ 9	+ 9	+ 7	10.7
DEC	I	+ 6	+ 4	+ 1	- 1	+ 2	+ 5	+ 8	+ 9	+ 8	+ 4	- 6	-16	-22	-23	-18	-12	- 3	+ 2	+ 5	+ 7	+ 9	+ 9	+11	+ 8	8.3
MEANS	I	+ 7.2	+ 5.3	+ 3.2	+ 1.7	+ 2.8	+ 5.7	+ 9.4	+11.6	+10.4	+ 5.1	- 6.3	-17.6	-24.8	-26.4	-22.5	-14.0	- 4.2	+ 2.2	+ 5.5	+ 6.6	+ 9.1	+10.2	+10.8	+ 9.2	9.7
	II	+ 4.8	+ 2.8	+ 2.2	+ 1.3	+ 2.0	+ 3.4	+ 6.2	+10.9	+13.0	+ 7.4	- 3.8	-16.0	-24.4	-25.4	-20.4	-12.0	- 2.5	+ 3.3	+ 6.5	+ 8.5	+ 9.0	+ 8.4	+ 8.1	+ 6.6	8.7
	III	+ 0.3	- 1.3	- 1.9	- 1.9	- 1.4	+ 0.1	+ 0.5	+ 1.9	+ 7.1	+10.2	+ 7.4	- 0.1	- 7.3	-13.0	-15.5	-12.0	- 4.0	+ 2.6	+ 4.0	+ 5.7	+ 6.1	+ 5.5	+ 4.3	+ 2.5	4.9
	YEAR	+ 4.1	+ 2.3	+ 1.2	+ 0.4	+ 1.1	+ 3.1	+ 5.4	+ 8.1	+10.2	+ 7.6	- 0.9	-11.2	-18.8	-21.6	-19.4	-12.7	- 3.5	+ 2.7	+ 5.3	+ 6.9	+ 8.1	+ 8.0	+ 7.7	+ 6.1	7.4

TEN LEAST-DISTURBED DAYS BASIS 120TH MERIDIAN MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 8	+ 5	+ 4	+ 4	+ 4	+ 6	+10	+12	+ 8	+ 2	- 7	-14	-20	-23	-20	-13	- 5	0	+ 3	+ 4	+ 6	+ 8	+10	+ 8	8.6
FEB	I	+ 9	+ 8	+ 6	+ 5	+ 6	+ 7	+10	+16	+14	+10	- 2	-16	-27	-32	-28	-18	- 7	0	+ 4	+ 5	+ 7	+ 8	+ 8	+ 8	10.8
MAR	II	+ 5	+ 5	+ 3	+ 3	+ 2	+ 4	+ 8	+11	+11	+ 4	- 6	-20	-25	-22	-15	- 7	- 1	+ 3	+ 5	+ 7	+ 6	+ 7	+ 7	+ 7	8.1
APR	II	+ 2	0	0	0	+ 1	+ 2	+ 4	+ 6	+ 8	+ 4	- 2	- 9	-14	-15	-12	- 7	- 2	+ 3	+ 4	+ 5	+ 6	+ 6	+ 5	+ 4	5.1
MAY	III	0	- 1	- 1	- 2	+ 1	+ 2	+ 2	+ 4	+10	+11	+ 5	- 3	-10	-15	-15	-10	- 2	+ 4	+ 4	+ 4	+ 4	+ 4	+ 2	+ 1	5.0
JUN	III	+ 1	- 1	- 3	- 3	- 2	- 1	- 2	- 2	+ 3	+ 7	+ 6	0	- 3	- 6	-10	- 9	- 2	+ 3	+ 5	+ 5	+ 5	+ 5	+ 4	+ 2	3.9
JUL	III	0	- 2	- 2	- 3	- 3	- 2	- 1	0	+ 8	+12	+11	+ 5	- 4	-12	-17	-13	- 4	+ 3	+ 4	+ 4	+ 4	+ 4	+ 4	+ 3	5.2
AUG	III	+ 1	- 1	- 2	- 3	- 2	0	+ 2	+ 6	+12	+15	+12	+ 2	-10	-17	-19	-16	- 9	- 1	+ 3	+ 4	+ 6	+ 6	+ 6	+ 4	6.5
SEP	II	+ 3	0	+ 2	0	- 1	+ 1	- 5	+12	+16	+15	+ 7	- 7	-23	-29	-26	-16	- 5	+ 2	+ 5	+ 7	+ 8	+ 8	+ 8	+ 7	8.9
OCT	II	+ 5	+ 4	+ 3	+ 2	+ 2	+ 4	+ 9	+18	+22	+15	- 3	-21	-33	-33	-27	-14	- 1	+ 4	+ 5	+ 6	+ 8	+ 8	+ 7	+ 7	10.9
NOV	I	+ 7	+ 5	+ 3	+ 2	+ 3	+ 9	+14	+18	+14	+ 8	- 7	-23	-30	-31	-23	-12	- 2	+ 4	+ 6	+ 7	+ 7	+ 7	+ 7	+ 6	10.6
DEC	I	+ 5	+ 4	+ 3	+ 2	+ 3	+ 6	+ 8	+ 8	+ 9	+ 6	- 1	-11	-19	-21	-16	-10	- 4	+ 1	+ 4	+ 4	+ 4	+ 5	+ 6	+ 7	6.8
MEANS	I	+ 7.3	+ 5.4	+ 3.9	+ 3.4	+ 4.1	+ 7.0	+10.5	+13.3	+11.6	+ 6.3	- 4.4	-15.9	-24.2	-26.6	-21.7	-13.0	- 4.6	+ 1.3	+ 4.2	+ 4.9	+ 6.0	+ 7.1	+ 7.5	+ 7.2	9.2
	II	+ 3.9	+ 2.2	+ 1.9	+ 1.2	+ 1.0	+ 2.7	+ 6.5	+11.8	+14.2	+ 9.6	- 0.9	+14.2	-23.8	-24.9	-19.7	-11.1	- 2.5	+ 2.9	+ 4.9	+ 6.3	+ 7.2	+ 7.2	+ 6.7	+ 6.3	8.1
	III	+ 0.6	- 1.2	- 2.3	- 2.5	- 1.6	- 0.2	+ 0.2	+ 2.0	+ 8.2	+11.3	+ 8.6	+ 0.9	- 7.0	-12.4	-15.1	-12.1	- 4.2	+ 2.2	+ 3.8	+ 4.4	+ 4.9	+ 4.8	+ 4.2	+ 2.6	4.9
	YEAR	+ 3.9	+ 2.2	+ 1.2	+ 0.7	+ 1.2	+ 3.2	+ 5.7	+ 9.0	+11.3	+ 9.1	+ 1.1	- 9.7	-18.3	-21.3	-18.8	-12.0	- 3.8	+ 2.1	+ 4.3	+ 5.2	+ 6.0	+ 6.3	+ 6.1	+ 5.4	7.0

TABLE 416--CONCLUDED

TOTAL INTENSITY (F)

DIURNAL VARIATION UNCORRECTED FOR NON-CYCLIC CHANGE FOR THE YEAR 1944

(TABULAR VALUES ARE MEAN AVERAGE DEPARTURES FROM MEAN OF DAY FOR SUCCESSIVE PERIODS OF ONE HOUR AS INDICATED — A PLUS DEPARTURE REPRESENTS AN HOURLY VALUE ALGEBRAICALLY GREATER THAN THE MEAN OF DAY, D EAST, I DOWN H, Z TOWARD NADIR, X NORTHWARD, Y EASTWARD, AND F BEING RECKONED POSITIVE AS REFERRED TO NORTH-SEEKING END OF MAGNET)

FIVE INTERNATIONAL QUIET DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 8	+ 2	- 4	- 9	-13	-17	-15	-11	- 7	- 4	- 1	+ 1	+ 3	+ 6	+ 7	+ 6	+ 6	+ 5	+ 5	+ 4	+ 4	+ 7	+ 9	+10	6.8
FEB	I	+18	+12	0	-15	-27	-32	-29	-20	- 9	0	+ 5	+ 6	+ 7	+ 8	+ 8	+ 8	+ 7	+ 6	+ 4	+ 5	+ 4	+ 7	+11	+17	11.0
MAR	II	+12	+ 6	- 8	-20	-27	-25	-17	- 9	- 3	+ 1	+ 3	+ 6	+ 6	+ 7	+ 7	+ 8	+ 7	+ 6	+ 5	+ 5	+ 4	+ 5	+ 8	+12	9.1
APR	II	+10	+ 6	0	- 9	-17	-18	-14	- 8	- 3	+ 2	+ 4	+ 5	+ 6	+ 6	+ 5	+ 4	+ 2	+ 1	0	+ 1	+ 1	+ 3	+ 5	+ 8	5.8
MAY	III	+ 9	+11	+ 6	- 2	- 9	-13	-13	- 9	- 2	+ 3	+ 4	+ 4	+ 3	+ 2	+ 2	0	- 1	- 1	- 2	0	+ 1	+ 2	+ 2	+ 3	4.4
JUN	III	+ 4	+ 7	+ 5	- 2	- 7	-11	-13	-10	- 2	+ 3	+ 5	+ 5	+ 6	+ 6	+ 4	+ 2	0	- 2	- 2	- 2	- 1	0	+ 1	+ 2	4.2
JUL	III	+ 9	+13	+11	+ 4	- 5	-13	-17	-13	- 3	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 3	0	- 1	- 2	- 2	- 2	- 2	- 2	+ 1	5.4
AUG	III	+12	+13	+ 9	- 1	-14	-20	-20	-16	- 8	0	+ 3	+ 4	+ 6	+ 6	+ 6	+ 5	+ 4	+ 2	0	- 1	0	+ 2	+ 2	+ 7	6.6
SEP	II	+16	+16	+ 8	- 7	-25	-30	-27	-17	- 7	+ 1	+ 4	+ 6	+ 7	+ 7	+ 6	+ 6	+ 3	+ 2	+ 1	+ 2	+ 3	+ 4	+ 6	+13	9.3
OCT	II	+21	+14	- 3	-19	-31	-33	-28	-17	- 3	+ 4	+ 5	+ 6	+ 8	+ 7	+ 7	+ 6	+ 6	+ 5	+ 4	+ 3	+ 4	+ 5	+11	+18	11.2
NOV	I	+12	+ 6	- 9	-23	-29	-28	-20	-11	- 2	+ 3	+ 5	+ 6	+ 5	+ 6	+ 6	+ 5	+ 5	+ 4	+ 4	+ 4	+ 7	+11	+15	+17	10.3
DEC	I	+ 5	+ 4	- 3	-11	-18	-19	-12	- 5	- 2	+ 1	+ 3	+ 2	+ 3	+ 3	+ 4	+ 3	+ 3	+ 3	+ 2	+ 2	+ 5	+ 7	+10	+10	5.8
MEANS	I	+10.6	+ 6.3	- 4.2	-14.6	-21.8	-24.0	-19.3	-11.6	- 4.8	+ 0.2	+ 2.8	+ 3.7	+ 4.4	+ 5.7	+ 6.3	+ 5.4	+ 5.2	+ 4.6	+ 4.0	+ 3.8	+ 4.8	+ 7.9	+11.3	+13.6	8.4
	II	+15.0	+10.5	- 1.0	-13.5	-24.8	-26.5	-21.6	-12.7	- 3.9	+ 1.9	+ 4.1	+ 5.6	+ 6.7	+ 6.7	+ 6.2	+ 6.2	+ 4.6	+ 3.5	+ 2.7	+ 2.6	+ 3.0	+ 4.2	+ 7.5	+13.0	8.7
	III	+ 8.7	+11.0	+ 7.9	- 0.2	- 8.8	-14.2	-16.0	-12.0	- 4.0	+ 2.2	+ 3.8	+ 4.4	+ 4.6	+ 4.6	+ 3.8	+ 2.5	+ 0.8	- 0.6	- 1.3	- 1.3	- 0.4	+ 0.5	+ 0.6	+ 3.2	4.9
	YEAR	+11.4	+ 9.2	+ 0.9	- 9.4	-18.5	-21.6	-19.0	-12.1	- 4.2	+ 1.4	+ 3.6	+ 4.6	+ 5.3	+ 5.7	+ 5.5	+ 4.7	+ 3.5	+ 2.5	+ 1.8	+ 1.7	+ 2.5	+ 4.2	+ 6.5	+ 9.9	7.1

FIVE INTERNATIONAL DISTURBED DAYS BASIS GREENWICH MEAN TIME

MONTH	GROUP	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	AV. DEP.
		γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	
JAN	I	+ 6	+ 3	- 3	-13	-18	-20	-22	-18	- 8	+ 1	+ 9	+ 6	+12	+14	+15	+17	+16	+12	+ 6	0	- 1	- 4	- 6	- 3	9.8
FEB	I	+12	+ 1	-11	-19	-28	-31	-33	-21	- 8	+ 6	+12	+13	+22	+24	+18	+11	+ 6	+ 2	+ 1	0	0	+ 1	+11	+13	12.9
MAR	II	+11	+ 4	-13	-28	-34	-29	-22	-13	+ 1	+ 7	+11	+16	+18	+10	+15	+ 8	+ 5	+ 1	0	+ 3	+ 3	+ 6	+10	+12	11.6
APR	II	+ 7	0	-10	-17	-16	-16	-14	-11	- 4	+ 6	+24	+23	+ 9	+ 6	+ 3	+ 5	+ 2	- 3	- 5	- 4	0	+ 2	+ 5	+ 8	8.4
MAY	III	+ 1	+ 4	+ 4	- 2	- 9	-13	-13	- 8	+ 1	+ 6	+ 8	+17	+ 5	+ 6	+ 9	+ 2	- 3	- 4	- 2	- 3	- 4	- 1	- 1	0	5.3
JUN	III	+ 4	+12	+ 9	+ 4	- 2	- 7	-13	-11	- 4	+ 3	+ 4	+ 5	+ 9	+ 8	+ 7	+ 7	+ 1	- 4	- 4	- 6	- 5	- 4	- 6	- 6	6.1
JUL	III	+ 8	+13	+10	0	- 5	-12	-16	-12	- 6	+ 3	+ 5	+ 5	+ 9	+ 7	+ 4	+ 2	+ 1	- 3	- 4	- 3	- 3	- 1	0	+ 1	5.4
AUG	III	+14	+16	+ 8	- 4	-12	-21	-27	-22	- 7	+ 6	+ 3	+10	+14	+ 8	+ 5	+ 3	+ 2	0	- 1	- 3	- 2	+ 3	+ 1	+ 6	8.2
SEP	II	+17	+11	+ 3	- 6	-20	-27	-24	-14	- 2	+ 4	+ 6	+11	+10	+13	+12	+ 4	+ 1	- 1	- 1	- 2	- 2	0	+ 2	+ 8	8.4
OCT	II	+10	+ 1	-14	-28	-30	-29	-22	-10	+ 1	+ 7	+11	+14	+11	+10	+11	+ 8	+10	+ 3	+ 4	+ 4	+ 4	+ 3	+ 7	+13	11.1
NOV	I	+14	+ 7	- 8	-25	-34	-33	-27	-18	- 6	+ 3	+ 7	+11	+17	+18	+14	+10	+ 8	+11	+ 5	+ 1	+ 3	+ 4	+ 7	+10	12.6
DEC	I	+ 8	+ 6	- 6	-14	-21	-24	-19	-15	+ 1	+ 5	+10	+19	+23	+23	+29	+13	+ 8	+ 2	- 4	-17	- 9	- 6	- 6	- 8	12.3
MEANS	I	+10.1	+ 4.1	- 6.9	-18.0	-25.5	-27.1	-25.2	-18.0	- 5.1	+ 3.6	+ 9.5	+12.2	+18.5	+19.6	+19.3	+13.0	+ 9.7	+ 7.0	+ 2.1	- 3.9	- 2.6	- 1.1	+ 1.5	+ 3.0	11.1
	II	+11.3	+ 3.8	- 8.6	-20.0	-25.0	-25.4	-20.6	-11.9	- 0.8	+ 6.2	+13.0	+16.0	+12.1	+10.0	+10.3	+ 6.1	+ 4.7	- 0.1	- 0.6	0.0	+ 1.2	+ 2.8	+ 6.0	+10.0	9.4
	III	+ 6.6	+11.1	+ 7.6	- 0.5	- 6.9	-13.2	-17.4	-13.5	- 4.0	+ 4.4	+ 5.3	+ 9.3	+ 9.1	+ 7.4	+ 6.2	+ 3.6	- 0.3	- 2.9	- 2.8	- 3.6	- 3.4	- 0.8	- 1.3	+ 0.2	5.9
	YEAR	+ 9.3	+ 6.3	- 2.6	-12.8	-19.1	-21.9	-21.1	-14.4	- 3.3	+ 4.7	+ 9.3	+12.5	+13.2	+12.3	+11.9	+ 7.5	+ 4.7	+ 1.3	- 0.4	- 2.5	- 1.6	+ 0.3	+ 2.1	+ 4.4	8.3

Table 417. Principal Magnetic Disturbances

Date	Beginning G.M.T.		Duration hours	Relative intensity
1936	h	m		
May 29	8	48	15	1
May 30	17	25	36	1
Jun 1	16	45	28	1
Jun 18	9	41	45	2
Jul 2	1	24	19	2
Jul 5	2	30	40	1
Oct 9	7	26	33	1
Oct 16	15	...	23	1
Oct 31	1	23	15	1
Nov 28	23	37	16	2
Dec 27	3	28	38	1
1937				
Jan 27	8	36	15	1
Feb 2	23	04	41	1
Feb 18	19	04	49	1
Feb 21	3	26	20	1
Mar 13	16	20	58	1
Mar 26	20	56	39	1
Mar 31	3	17	21	1
Apr 24	12	01	20	1
Apr 25	15	48	16	1
Apr 26	17	55	48	2
May 28	1	51	22	1
Jun 10	5	05	3	1
Jul 19	12	53	8	1
Jul 23	5	01	79	1
Aug 22	3	06	19	2
Sep 30	13	46	24	1
Oct 9	6	35	63	2
Nov 29	11	42	48	1
1938				
Jan 16	22	30	168	2
Jan 22	2	40	19	2
Jan 25	11	51	30	2
Jan 31	19	22	20	1
Apr 13	11	43	24	1
Apr 16	5	47	14	2
Jun 7	22	03	24	1
Jun 12	17	55	24	1
Jul 9	19	51	24	1
Aug 3	21	35	24	1
Aug 11	3	22	19	1
Aug 22	13	54	25	1
Sep 13	18	36	52	2
Sep 26	7	23	14	1
Sep 27	22	02	16	1
Sep 30	10	20	23	1
Oct 7	6	14	33	1
Dec 9	12	...	48	1
Dec 16	7	40	184	1
1939				
Feb 5	19	50	28	1
Feb 23	12	46	58	2
Apr 16	21	29	72	2
Apr 23	5	45	67	2
May 1	6	42	17	1
Jun 14	0	07	16	2
Jul 21	9	57	8	1
Aug 11	12	13	56	2
Aug 22	0	40	43	2
Oct 13	2	04	58	2
1940				
Jan 3	6	39	18	2

Date	Beginning G.M.T.		Duration hours	Relative intensity
1940	h	m		
Mar 23	6	16	138	2
Mar 29	9	...	84	2
Apr 2	16	...	50	2
Apr 25	2	03	43	1
May 23	17	53	27	1
Jun 25	2	53	29	2
Jul 13	8	00	34	1
Sep 25	15	42	94	1
Nov 12	7	06	34	1
Dec 30	4	25	39	1
1941				
Jan 24	12	20	1	1
Mar 1	3	57	44	2
Mar 13	16	...	24	1
Mar 28	0	...	96	2
Apr 24	7	20	25	2
Jul 4	3	42	89	2
Aug 4	1	27	26	2
Sep 18	4	10	44	2
Oct 31	3	40	36	1
Nov 27	3	41	40	1
Dec 1	5	59	25	1
1942				
Mar 1	7	26	26	2
Apr 2	4	38	66	1
Apr 10	23	00	19	1
Apr 17	0	...	42	1
Jul 11	4	...	33	1
Aug 15	18	...	285	1
Sep 11	11	30	270	1
Oct 2	2	45	84	1
Oct 28	12	45	74	2
Nov 23	12	...	127	1
Dec 20	17	34	81	1
1943				
Jan 4	7	...	11	1
Jan 17	2	30	19	1
Jan 20	12	...	7	1
Feb 13	1	18	8	1
Feb 17	1	...	14	1
Mar 1	13	45	32	1
Mar 29	10	35	62	1
Apr 2	23	10	126	1
Apr 10	5	...	44	1
Apr 25	15	50	32	1
May 1	2	...	39	1
May 17	17	...	48	1
Jul 4	9	50	51	1
Aug 7	8	20	50	1
Aug 13	4	...	200	1
Aug 28	12	...	175	2
Sep 25	5	53	225	1
Oct 8	10	...	56	1
Oct 24	9	...	200	1
Nov 19	5	...	225	2
Dec 15	20	...	120	1
1944				
Feb 7	5	...	43	2
Mar 26	2	00	38	2
Apr 2	5	00	15	2
May 1	5	20	15	1
Sep 30	13	...	3	1
Dec 15	18	52	62	2